

# Product Datasheet

## SDHB Antibody (SDHB/2382) [mFluor Violet 500 SE] NBP3-08537MFV500

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-08537MFV500**

SDHB Antibody (SDHB/2382) [mFluor Violet 500 SE]

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Storage                     | Store at 4C in the dark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clone                       | SDHB/2382                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype                     | IgG2b Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Conjugate                   | mFluor Violet 500 SE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity                      | Protein A or G purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Buffer                      | 50mM Sodium Borate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene ID                     | 6390                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Symbol                 | SDHB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Marker                      | Pheochromocytoma Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity/Sensitivity     | Succinate dehydrogenase (SDH) is Complex II in the mitochondria, vital for mitochondrial electron transport, as well as Krebs cycle function. Four subunits comprise the SDH protein complex: a flavochrome subunit (SDHA), an iron-sulfur protein (SDHB) and two membrane-bound subunits (SDHC and SDHD) anchored to the inner mitochondrial membrane. The SDH complex functions as a tumor suppressor. Loss of any subunit proteins lead to destabilization of the complex and tumor formation. Antibody to SDHB is helpful in the identification of pheochromocytomas, paragangliomas and GIST. |
| Immunogen                   | Recombinant fragment (around aa 165-273) of human SDHB protein (exact sequence is proprietary) (Uniprot: P21912)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Notes                       | mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.                                                                                                                                                                                                                                                                                                                                                              |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Applications                | Western Blot, Protein Array                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Recommended Dilutions       | Western Blot, Protein Array                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |





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### **Products Related to NBP3-08537MFV500**

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| NBP2-33376H      | Blue Marker Antibody (6F4-F6) [HRP]                                         |
| NBP1-43317MFV500 | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [mFluor Violet 500 SE] |
| NBP2-30677PEP    | SDHB Recombinant Protein Antigen                                            |
| NBL1-15766       | SDHB Overexpression Lysate                                                  |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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