

# Product Datasheet

## SDHB Antibody (SDHB/2126) [Alexa Fluor® 405] NBP3-08809AF405

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08809AF405**

SDHB Antibody (SDHB/2126) [Alexa Fluor® 405]

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 100 ul   |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                 | Store at 4C in the dark.   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | SDHB/2126  |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG1 Kappa   |
| <b>Conjugate</b>               | Alexa Fluor 405  |
| <b>Purity</b>                  | Protein A or G purified  |
| <b>Buffer</b>                  | 50mM Sodium Borate   |
| <b>Product Description</b>     |  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 6390   |
| <b>Gene Symbol</b>             | SDHB   |
| <b>Species</b>                 | Human  |
| <b>Reactivity Notes</b>        | Others not known.  |
| <b>Marker</b>                  | Pheochromocytoma Marker  |
| <b>Specificity/Sensitivity</b> | 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. |
| <b>Immunogen</b>               | Recombinant human SDHB fragment around aa 165-273 (Exact sequence is proprietary) (Uniprot: P21912 )   |



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|--------------|--|
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| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin                            |
| <b>Recommended Dilutions</b>       | Western Blot, Immunohistochemistry-Paraffin                            |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined. |



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### **Products Related to NBP3-08809AF405**

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|               |   |
|---------------|---|
| IC002V        | Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 405] |
| NBP2-30677PEP | SDHB Recombinant Protein Antigen                      |
| NBL1-15766    | SDHB Overexpression Lysate                            |
| AF482         | Ret Antibody [Unconjugated]                           |

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### **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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