

# Product Datasheet

## Growth Hormone Antibody (GH/1450) [DyLight 650] NBP2-54356C

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP2-54356C**

Growth Hormone Antibody (GH/1450) [DyLight 650]

| Product Information |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Unit Size           | 100 ul                                                                                      |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.                                                                    |
| Clonality           | Monoclonal                                                                                  |
| Clone               | GH/1450                                                                                     |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG2b Kappa                                                                                 |
| Conjugate           | DyLight 650                                                                                 |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene ID                 | 2688                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Symbol             | GH1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Marker                  | Pituitary Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity/Sensitivity | Pituitary growth hormone (GH) plays a crucial role in stimulating and controlling the growth, metabolism and differentiation of many mammalian cell types by modulating the synthesis of multiple mRNA species. These effects are mediated by the binding of GH to its membrane-bound receptor, GHR, and involve a phosphorylation cascade that results in the modulation of numerous signaling pathways. GH is synthesized by acidophilic or somatotrophic cells of the anterior pituitary gland. Anti-GH is a useful marker in classification of pituitary tumors and the study of pituitary disease (acromegaly). |
| Immunogen               | A recombinant fragment (around aa58-187) of human Growth Hormone (GH) protein (exact sequence is proprietary) (Uniprot: P01241)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Product Application Details |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| Applications                | Immunohistochemistry, Immunohistochemistry-Paraffin                    |
| Recommended Dilutions       | Immunohistochemistry, Immunohistochemistry-Paraffin                    |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP2-54356C**

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|                  |                                                                    |
|------------------|--------------------------------------------------------------------|
| NBP1-43317C      | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [DyLight 650] |
| NBP2-34890-100ug | Recombinant Human Growth Hormone Protein                           |
| 291-G1-200       | IGF-I/IGF-1 [Unconjugated]                                         |
| DGH00            | Growth Hormone [HRP]                                               |

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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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