

Product Datasheet

Growth Hormone Antibody (GH/1371) - Azide and BSA Free **NBP2-54361-100ug**

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-54361-100ug

Growth Hormone Antibody (GH/1371) - Azide and BSA Free

Product Information

| | |
|--------------------------------|---|
| Unit Size | 100 ug |
| Concentration | 1 mg/ml |
| Storage | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | GH/1371 |
| Preservative | No Preservative |
| Isotype | IgG2b Kappa |
| Purity | Protein A or G purified |
| Buffer | 10 mM PBS |
| Target Molecular Weight | 20 kDa |

Product Description

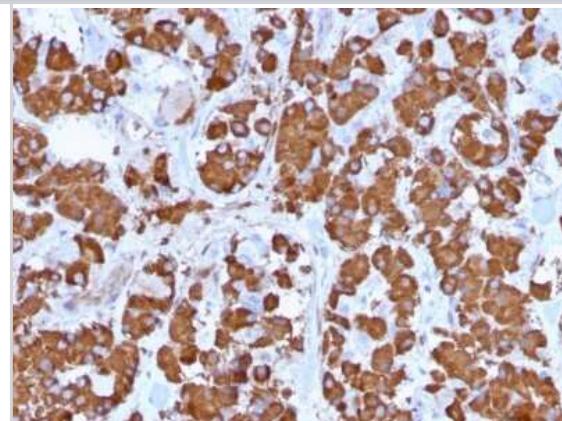
| | |
|--------------------------------|--|
| Description | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53261). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. |
| 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) |

Product Application Details

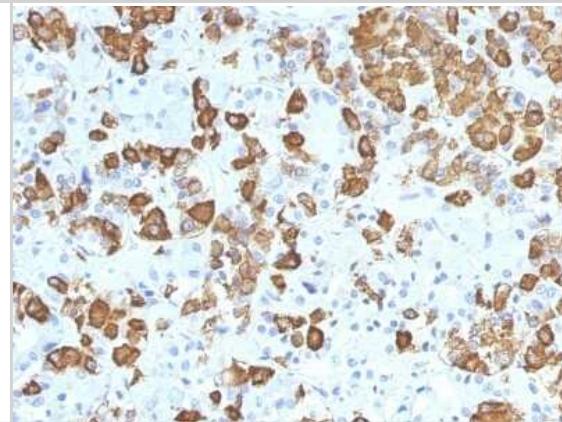
| | |
|------------------------------|---|
| Applications | Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array |
| Recommended Dilutions | Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array |
| Application Notes | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |

Images

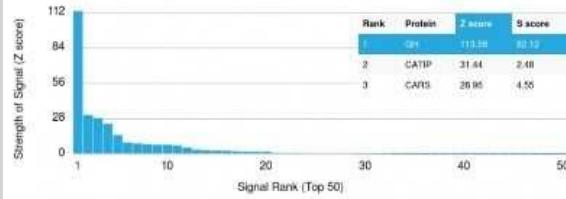
Immunohistochemistry-Paraffin: Growth Hormone Antibody (GH/1371) - Azide and BSA Free [NBP2-54361] - Formalin-fixed, paraffin-embedded human Pituitary stained with Growth Hormone Antibody (GH/1371).



Immunohistochemistry-Paraffin: Growth Hormone Antibody (GH/1371) - Azide and BSA Free [NBP2-54361] - Formalin-fixed, paraffin-embedded Human Pituitary stained with Growth Hormone Monoclonal Antibody (GH/1371).



Protein Array: Growth Hormone Antibody (GH/1371) - Azide and BSA Free [NBP2-54361] - Analysis of Protein Array containing more than 19,000 full-length human proteins using Growth Hormone Antibody (GH/1371). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5.





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Products Related to NBP2-54361-100ug

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43317-0.5mg | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) |
| NBP2-34890-100ug | Recombinant Human Growth Hormone Protein |

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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