

Product Datasheet

G protein alpha Antibody NBP1-49874

Unit Size: 0.1 mg

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

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NBP1-49874

G protein alpha Antibody

| Product Information | |
|---------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 0.5 mg/ml |
| Storage | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA |

| Product Description | |
|-------------------------|--|
| Description | Novus Biologicals Goat G protein alpha Antibody (NBP1-49874) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-G protein alpha Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Goat |
| Gene ID | 2778 |
| Gene Symbol | GNAS |
| Species | Human, Mouse, Rat |
| Specificity/Sensitivity | This antibody is expected to recognize all three reported isoforms NP_000507.1, NP_001070956.1 and NP_536350.2. |
| Immunogen | Peptide with sequence C-QAARSNSDGEKATK corresponding to internal region according to NP_001070956.1, NP_001070957.1. |

| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Peptide ELISA |
| Recommended Dilutions | Western Blot 0.1 - 0.5 ug/ml, Peptide ELISA Detection limit 1:32000 |
| Application Notes | WB: Approx. 45kDa band observed in Human Cerebellum, Mouse and Rat Brain lysates, and in lysates of cell line KNRK (calculated MW of 45.6kDa according to Human NP_963910.1, Mouse NP_963910.1 and Rat NP_062005.1). |

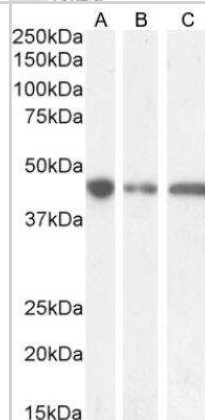


Images

Western Blot: G protein alpha Antibody [NBP1-49874] - (0.3ug/ml) staining of KNRK cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

Western Blot: G protein alpha Antibody [NBP1-49874] - (0.5ug/ml) staining of Human Cerebellum (A) and (0.1ug/ml) Mouse (B) and Rat (C) Brain lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



Publications

Lucero-Garcia Rojas EY, Reyes-Alcaraz A, Ruan K et al. Fusion of the $\beta(2)$ -adrenergic receptor with either G α s or β arrestin-2 produces constitutive signaling by each pathway and induces gain-of-function in BEAS-2B cells FASEB BioAdvances 2022-12-01 [PMID: 36479208]

Lucero Garcia Rojas EY Fusion Proteins as Selective Inducers of Constitutive Activity and Tools to Discriminate the Biased Signaling Profile of beta 2 Adrenoceptor Ligands Thesis 2022-01-01 (ICC/IF, Human)

Nishihara E, Amino N, Maekawa K et al. Prevalence of TSH receptor and G α mutations in 45 autonomously functioning thyroid nodules in Japan. Endocr J 2009-01-01 [PMID: 19550078]



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Products Related to NBP1-49874

| | |
|-----------------|--|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF017 | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109 | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg | Goat IgG Isotype Control |

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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