

Datasheet for 200-401-BK6**GFR alpha 2 Antibody****Overview**

Description:	Anti-GFR alpha 2 (RABBIT) Antibody - 200-401-BK6
Item No.:	200-401-BK6
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Members of the glial cell line-derived neurotrophic factor (GDNF) family, including GDNF and neurturin (NTN) play key roles in the control of vertebrate neuron survival and differentiation. Physiological responses to NTN require the presence of a novel glycosylphosphatidylinositol linked protein NTNRA, which is a cell surface receptor for NTN. The cDNAs encoding NTNRA from human, rat, chicken, and mouse have been cloned recently. NTNRA was also termed GDNFRb, Ret ligand 2 (RETL2) or TGFbeta-related neurotrophic factor receptor 2 (TrnR2) and nominated as GFRA-2 recently. GFRA-2 binds NTN and mediates activation of RET receptor tyrosine kinase by both NTN and GDNF. Thus, NTN, GFRA-2, and the Ret PTK form a complex to transduce NTN signal and to mediate NTN function.
Synonyms:	GFR alpha 2 Antibody, NTNRA, RETL2, TRNR2, GDNFRB, NRTNR-ALPHA, GDNF family receptor alpha-2, GDNF receptor beta, GDNF receptor alpha-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GFRA2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-GFR alpha 2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid peptide near the internal region of human GFR alpha 2.
Purity/Specificity:	Anti-GFR alpha 2 Antibody is Ion exchange chromatography purified. Cross reactivity with GFR alpha 2 from other sources has not been determined.
Relevant Links:	• UniProtKB - O00451 • GeneID - 2675 • NCBI - AAC52036

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-GFR alpha 2 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 52 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1 µg/mL

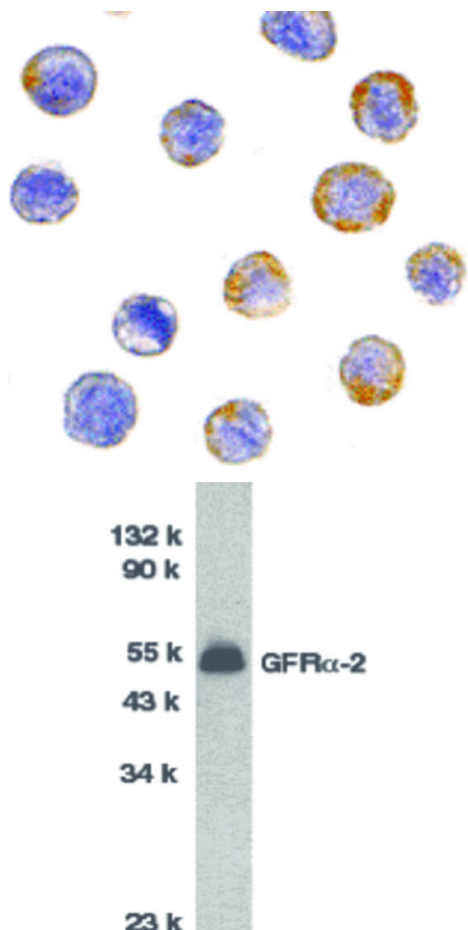
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunocytochemistry of Rabbit anti-GFR alpha 2 antibody.
 Cell Type: HeLa cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-GFR alpha 2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: GFR alpha 2 is membrane bound. Staining: GFR alpha 2 as precipitated brown signal with hematoxylin blue nuclear counterstain.

Western Blot

Western Blot of Rabbit anti-GFR alpha 2 antibody. Lane 1: HeLa total cell lysate. Load: 35 µg per lane. Primary antibody: anti-GFR alpha 2 antibody at 1:1000 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 51.5 kDa, 51 kDa for GFR alpha 2. Other band(s): none.

Disclaimer

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