

Rabbit GFR alpha 1 Polyclonal Antibody | anti-GFR alpha 1 antibody

GFR alpha 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306621	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

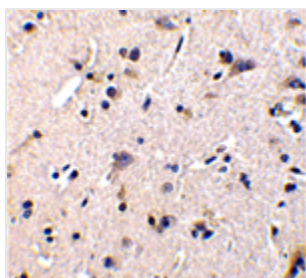
PRODUCT SYNONYMS

GFR alpha 1; Polyclonal Antibody; GFR alpha 1 Antibody; GFR α -1; GDNFR α ; GDNFRalpha; anti-GFR alpha 1 antibody

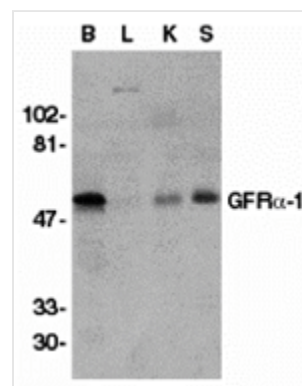
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The amino acid sequence of immunogenic peptide is identical to those of mouse and rat and the antibody recognizes GFR alpha 1 from human, mouse and rat origins.
Purity/Purification	DEAE purified
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	460
Applicable Applications for anti-GFR alpha 1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 369 to 382 of human GFR alpha 1.
Target Name	GFR alpha 1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of GFR alpha 1 in human brain tissue with GFR alpha 1 antibody at 1 ug/mL.


WB (Western Blot)

Western blot analysis of GFR alpha 1 in crude membrane fractions of human brain (B), liver (L), kidney (K), and spleen (S), respectively, with GFR alpha 1 antibody at 1:500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-GFR alpha 1 antibody	Glial cell line-derived neurotrophic factor (GDNF) is a potent survival factor for central and peripheral neurons and is essential for the development of kidneys and the enteric nerves system. Physiological responses to GDNF require the presence of a novel glycosylphosphatidylinositol linked protein GDNFRalpha, which is a cell surface receptor for GDNF. The cDNAs encoding GDNFRalpha from human, rat, chicken and mouse have been cloned recently. GDNFRalpha was also termed Ret ligand 1 (RETL1) or TGF-beta-related neurotrophic factor receptor 1 (TrnR1) and nominated as GFRA-1 recently. GFRA-1 binds GDNF specifically and mediates activation of the Ret protein tyrosine kinase (PTK). Thus, GDNF, GFRA and the Ret PTK form a complex to transduce GDNF signal and to mediate GDNF function.
Product Categories/Family for anti-GFR alpha 1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	224282178
NCBI GeneID	2674
NCBI Accession #	NP_001138925.1
NCBI GenBank Nucleotide #	NM_001145453.1
UniProt Accession #	P56159; O15507; O43912; A8KA21
Molecular Weight	50,838 Da
NCBI Official Full Name	GDNF family receptor alpha-1 isoform b preproprotein
NCBI Official Synonym Full Names	GDNF family receptor alpha 1
NCBI Official Symbol	GFRA1
NCBI Official Synonym Symbols	GDNFR; RET1L; RETL1; TRNR1; GDNFRA; GFR-ALPHA-1
NCBI Protein Information	GDNF family receptor alpha-1
UniProt Protein Name	GDNF family receptor alpha-1
UniProt Gene Name	GFRA1
UniProt Synonym Gene Names	GDNFRA; RETL1; TRNR1; GDNF receptor alpha-1; GDNFR-alpha-1; GFR-alpha-1
UniProt Entry Name	GFRA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gfr-alpha-1-antibody-immunohistochemistry-western-blot-elisa/306621>