

Rabbit GFR alpha 1 Polyclonal Antibody | anti-GFRA1 antibody

GFR alpha 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39733	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

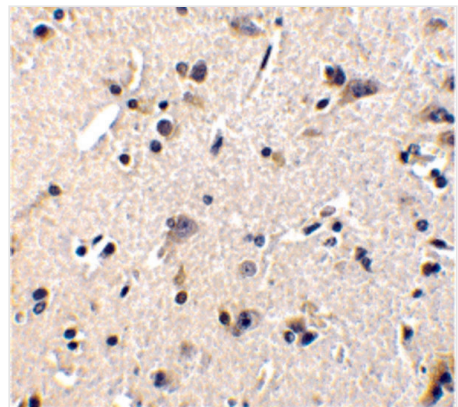
PRODUCT SYNONYMS

GFR alpha 1; Polyclonal Antibody; GFR alpha 1 Antibody; GDNFR; RET1L; RETL1; TRNR1; GDNFRA; GFR-ALPHA-1; GDNF family receptor alpha-1; RET ligand 1; GDNF receptor alpha-1; GDNF family receptor alpha 1; anti-GFRA1 antibody

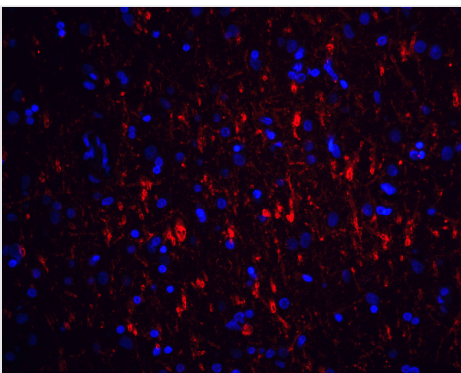
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GFR alpha 1 antibody is predicted to not cross-react with other members of the GFR alpha family of proteins.
Purity/Purification	GFR alpha 1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	465
Applicable Applications for anti-GFRA1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	GFR alpha 1 antibody was raised against a 14 amino acid peptide near the center of human GFR alpha 1.
Buffer	GFR alpha 1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

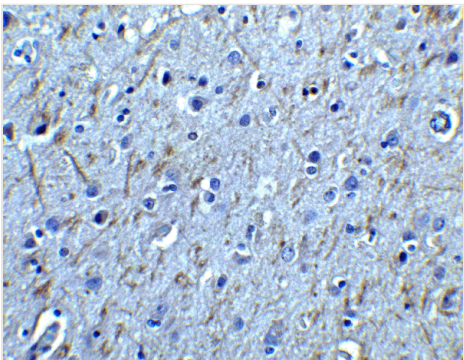
IMAGES



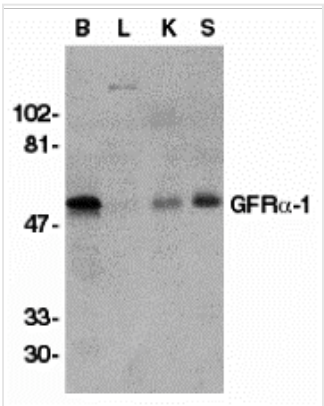
IHC (Immunohistochemistry)
Immunohistochemistry of GFR alpha 1 in human brain tissue with GFR alpha 1 antibody at 1 μg/mL.



IF (Immunofluorescence)
Immunofluorescence of GFR alpha 1 in human brain tissue with GFR alpha 1 antibody at 20 μg/mL. Red: GFR alpha 1 Antibody (1133) Blue: DAPI staining



IHC (Immunohistochemistry)
Immunohistochemistry of GFR alpha 1 in human brain tissue with GFR alpha 1 antibody at 2.5 μg/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 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GFRA1 antibody	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 GFR?-1 recently. GFR?-1 binds GDNF specifically and mediates activation of the Ret protein tyrosine kinase (PTK). Thus, GDNF, GFR? and the Ret PTK form a complex to transduce GDNF signal and to mediate GDNF function.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20141405
NCBI GeneID	2674
UniProt Accession #	P56159; O15507; O43912; A8KA21
Molecular Weight	51 kDa
NCBI Official Full Name	GDNF family receptor alpha-1
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; RET ligand 1; GDNFR-alpha-1; GDNF receptor alpha-1; GPI-linked anchor protein; PI-linked cell-surface accessory protein; TGF-beta related neurotrophic factor receptor 1; TGF-beta-related neurotrophic factor receptor 1; Glial cell line-derived neurotrophic factor receptor alpha
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/39733>