

GFRA1 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21582b**Specification**

GFRA1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P56159
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	51456

GFRA1 Antibody (C-term) - Additional Information**Gene ID** 2674**Other Names**

GDNF family receptor alpha-1, GDNF receptor alpha-1, GDNFR-alpha-1, GFR-alpha-1, RET ligand 1, TGF-beta-related neurotrophic factor receptor 1, GFRA1, GDNFRA, RETL1, TRNR1

Target/Specificity

This GFRA1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 381-415 amino acids from the C-terminal region of human GFRA1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GFRA1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GFRA1 Antibody (C-term) - Protein Information**Name** GFRA1**Synonyms** GDNFRA, RETL1, TRNR1

Function Coreceptor for GDNF, a neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake (PubMed:[10829012](#), PubMed:[31535977](#)). GDNF-binding leads to autophosphorylation and activation of the RET receptor (PubMed:[31535977](#)).

Cellular Location

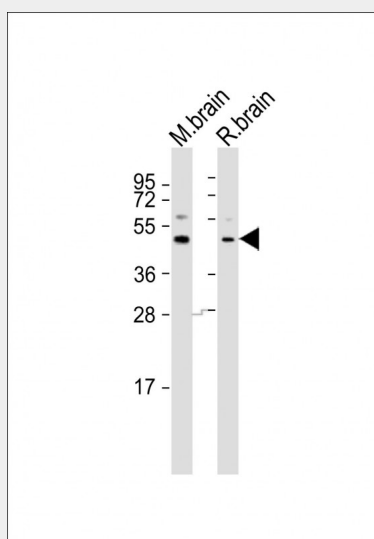
Cell membrane {ECO:0000250|UniProtKB:Q62997}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:Q62997}. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:Q62997}. Endosome {ECO:0000250|UniProtKB:Q62997}. Endosome, multivesicular body {ECO:0000250|UniProtKB:Q62997}. Note=Localizes mainly to the plasma membrane. In the presence of SORL1, shifts to vesicular structures, including trans-Golgi network, endosomes and multivesicular bodies {ECO:0000250|UniProtKB:Q62997}

GFRA1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GFRA1 Antibody (C-term) - Images



All lanes : Anti-GFRA1 Antibody (C-term) at 1:1000 dilution Lane 1: mouse brain lysates Lane 2: rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

GFRA1 Antibody (C-term) - Background

Receptor for GDNF. Mediates the GDNF-induced autophosphorylation and activation of the RET receptor (By similarity).

GFRA1 Antibody (C-term) - References

Jing S.,et al.Cell 85:1113-1124(1996).
Sanicola M.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:6238-6243(1997).
Angrist M.,et al.Genomics 48:354-362(1998).
Shefelbine S.E.,et al.Hum. Genet. 102:474-478(1998).
Hishiki T.,et al.Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases.