

GFRA4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13249c**Specification**

GFRA4 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9GZZ7
Other Accession	NP_665705.1 , NP_071422.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31670
Antigen Region	156-184

GFRA4 Antibody (Center) - Additional Information**Gene ID** 64096**Other Names**

GDNF family receptor alpha-4, GDNF receptor alpha-4, GDNFR-alpha-4, GFR-alpha-4, Persephin receptor, GFRA4

Target/Specificity

This GFRA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-184 amino acids from the Central region of human GFRA4.

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

GFRA4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GFRA4 Antibody (Center) - Protein Information**Name** GFRA4

Function Receptor for persephin (PSPN), a growth factor that exhibits neurotrophic activity on mesencephalic dopaminergic and motor neurons (PubMed:[11116144](#)). Acts by binding to its coreceptor, GFRA4, leading to autophosphorylation and activation of the RET receptor (PubMed:[11116144](#)). May be important in C-cell development and, in the postnatal development of the adrenal medulla (PubMed:[11116144](#)).

Cellular Location

[Isoform GFRalpha4a]: Cell membrane; Lipid-anchor, GPI-anchor [Isoform GFRalpha4c]: Secreted

Tissue Location

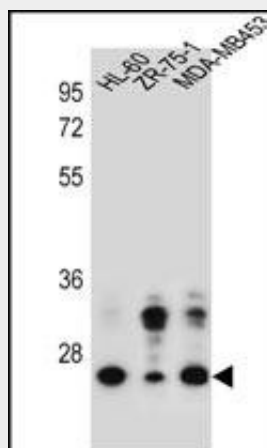
Predominantly expressed in the adult thyroid gland. Low levels also found in fetal adrenal and thyroid glands

GFRA4 Antibody (Center) - 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](#)

GFRA4 Antibody (Center) - Images



GFRA4 Antibody (Center) (Cat. #AP13249c) western blot analysis in HL-60,ZR-75-1,MDA-MB453 cell line lysates (35ug/lane).This demonstrates the GFRA4 antibody detected the GFRA4 protein (arrow).

GFRA4 Antibody (Center) - Background

The protein encoded by this gene is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for persephin, and mediates activation of the RET tyrosine kinase receptor. This gene is a candidate gene for RET-associated diseases. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

GFRA4 Antibody (Center) - References

Yang, J., et al. FEBS Lett. 569 (1-3), 267-271 (2004) :
Borrego, S., et al. J. Med. Genet. 40 (3), E18 (2003) :
Deloukas, P., et al. Nature 414(6866):865-871(2001)
Zhou, B., et al. Pediatr. Neurol. 25(2):156-161(2001)
Lindahl, M., et al. J. Biol. Chem. 276(12):9344-9351(2001)

GFRA4 Antibody (Center) - Citations

- [Downregulation of microRNA-483-5p Promotes Cell Proliferation and Invasion by Targeting GFRA4 in Hirschsprung's Disease.](#)