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GFRA4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13249c

Product Information

Application	WB, E
Primary Accession	Q9GZZ7
Other Accession	NP_665705.1, NP_071422.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33123
Calculated MW	31670
Antigen Region	156-184

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.

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

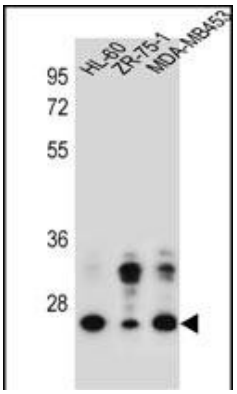
Background

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.

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)

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).

Citations

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.