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GFRA4 Rabbit pAb

Catalog # AP98447

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9GZZ7
Other Accession	Q9GZZ7
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31670
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GFRA4
Epitope Specificity	51-150/299
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the GDNFR family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq]

Additional Information

Gene ID	64096
Other Names	GFRA4_HUMAN; GFRA4; GDNF receptor alpha-4; GDNFR-alpha-4; GFR-alpha-4; Persephin receptor; GDNF family receptor alpha 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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