

Product datasheet for **AP01475PU-N**

Persephin receptor (GFRA4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1/500-1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	GFR α -4 antibody detects endogenous levels of GFR α -4 protein. (region surrounding Pro178)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 30 kDa
Gene Name:	GDNF family receptor alpha 4
Database Link:	<u>Entrez Gene 64096 Human</u> <u>Q9GZZ7</u>

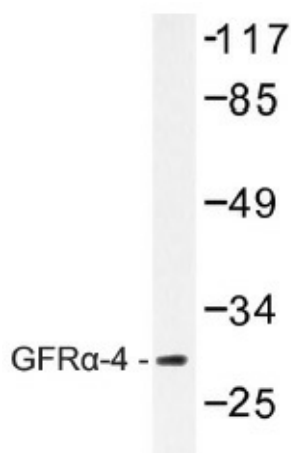


Background: Glial cell line-derived neurotrophic factor (GDNF) and the related neurotrophic factor neurturin (NTN) are potent survival factors for central and peripheral neurons. Receptors for these factors include GFR α -1 (previously designated GDNFR- α), GFR α -2 (also designated RETL2), GFR α -3 and GFR α -4 (also known as persephin receptor). The receptors do not contain transmembrane domains and are attached to the cell membrane by glycosylphosphoinositol linkage. Binding of GDNF or NTN to one of these receptors leads to the activation of the tyrosine kinase Ret. GFR α -4 mediates the activation and GDNF-induced autophosphorylation of the RET receptor. It is mainly expressed in the adult thyroid gland, but lower levels may also be detected in fetal adrenal and thyroid glands.

Synonyms: GFR-alpha-4, Persephin receptor, GDNF receptor alpha-4

Protein Families: Druggable Genome

Product images:



Western blot (WB) analysis of GFR α -4 antibody (Cat.-No.: AP01475PU-N) in extracts from HeLa cells.