



## Rabbit Anti-GFRA4 antibody

SL0168R

<b>Product Name:</b>	GFRA4
<b>Chinese Name:</b>	GDNF家族受体 $\alpha$ 4抗体 GDNFR $\alpha$ 4
<b>Alias:</b>	Persephin receptor; GDNF family receptor alpha 4; GDNF family receptor alpha-4; GDNF receptor alpha-4; GDNFR-alpha-4; GFR alpha 4; GFR receptor alpha 4; GFR-alpha-4; GFRA4; GFRA4_HUMAN; Glial cell line derived neurotrophic factor family receptor alpha 4; Neurotrophic factor receptor splice variant A (Gfra4 gene); OTTHUMP00000030106; OTTHUMP00000030107.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	27kDa
<b>Cellular localization:</b>	The cell membraneSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GFRA4:51-150/299
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]

**Function:**

Receptor for persephin. Mediates the GDNF-induced autophosphorylation and activation of the RET receptor. May be important in C-cell development and, in the postnatal development of the adrenal medulla.

**Subcellular Location:**

Isoform GFRalpha4a: Cell membrane; Lipid-anchor, GPI-anchor.

Isoform GFRalpha4b: Cell membrane; Lipid-anchor, GPI-anchor.

Isoform GFRalpha4c: Secreted.

**Tissue Specificity:**

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

**Similarity:**

Belongs to the GDNFR family.

**SWISS:**

Q9GZZ7

**Gene ID:**

64096

**Database links:**

[Entrez Gene: 64096](#)Human

[SwissProt: Q9GZZ7](#)Human

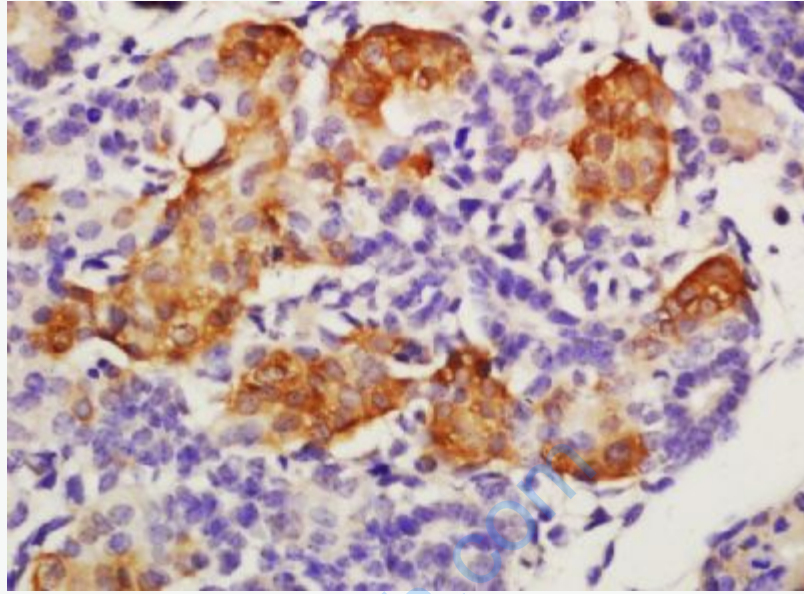
[Unigene: 302025](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Persephin receptor**

是一个新的神经营养因子, 属于GDNFR家族, 调节GDNF诱导的自动磷酸化和RET受体的活性。他在维持神经系统正常生存中起重要作用。主要表达在正常和恶性甲状腺髓细胞。分子量约为30kDa。

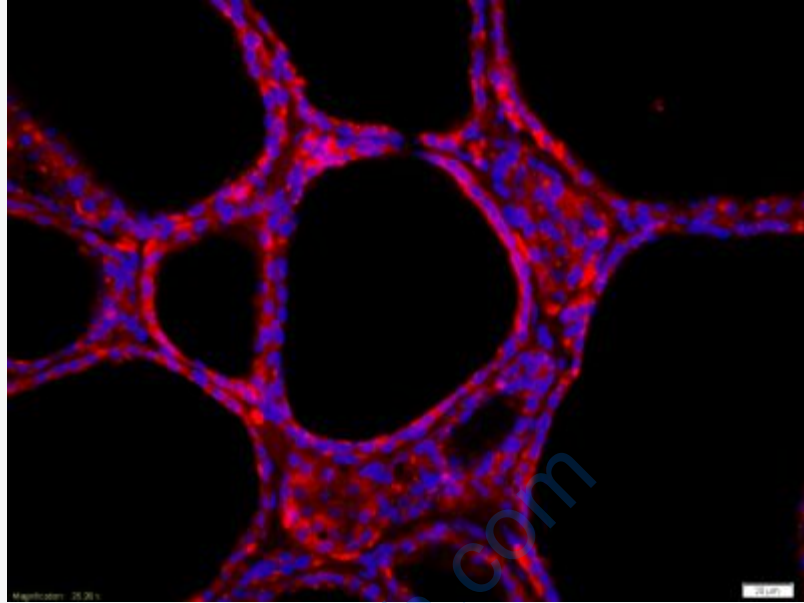


**Picture:**

Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-GFRA4 Polyclonal Antibody, Unconjugated(SL0168R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human thyroid gland;4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min;

Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-GFRA4 Polyclonal Antibody, Unconjugated(SL0168R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(SL0168R)used at 1:200 dilution for 40 minutes at 37°C.

DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei