

Rabbit Anti-GFRA4 antibody

SL0168R

Product Name GFRA4

Chinese Name GDNF 家族受体 α 4 抗体 GDNFR α 4

Alias 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.

Research Area Neurobiology Channel protein

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human, Mouse, (predicted: Rat,)

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 27kDa

Cellular localization The cell membrane Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human GFRA4: 51-150/299

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human,

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therapeutic or diagnostic applications.

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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.

**Product
Detail**

Similarity:

Belongs to the GDNFR family.

SWISS:

Q9GZZ7

Gene ID:

64096

Database links:

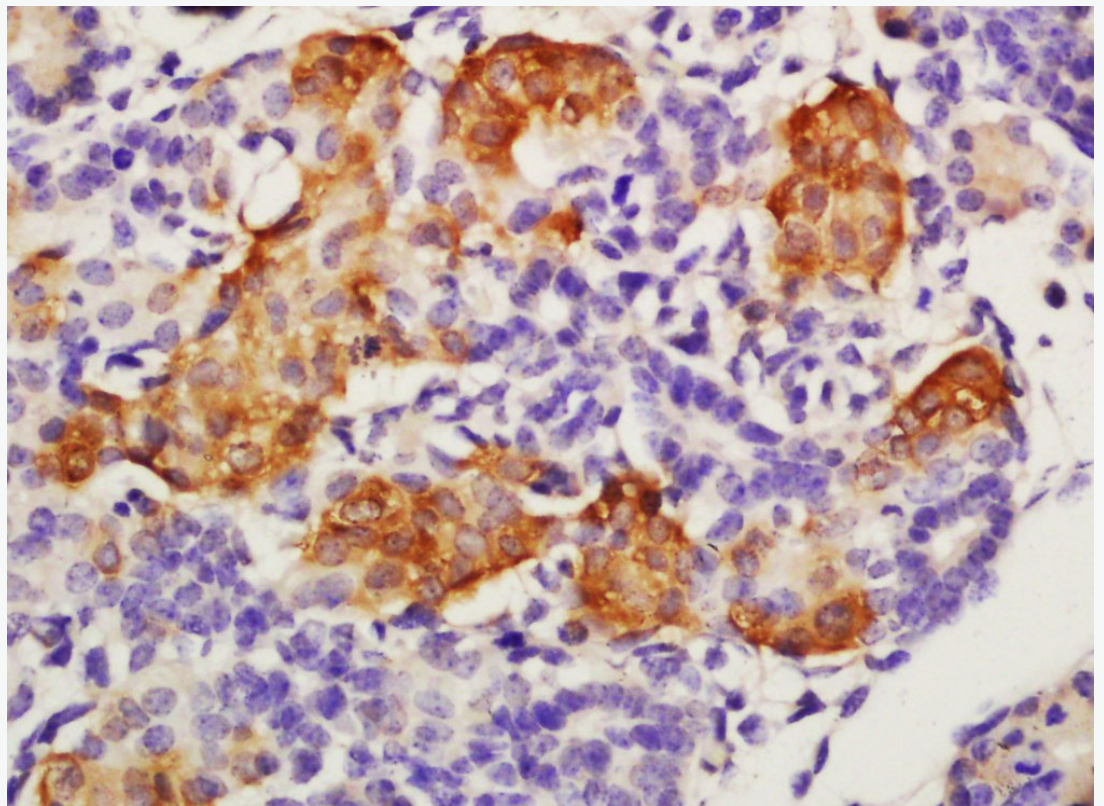
[Entrez Gene: 64096](#) Human

[SwissProt: Q9GZZ7](#) Human

[Unigene: 302025](#) Human

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。

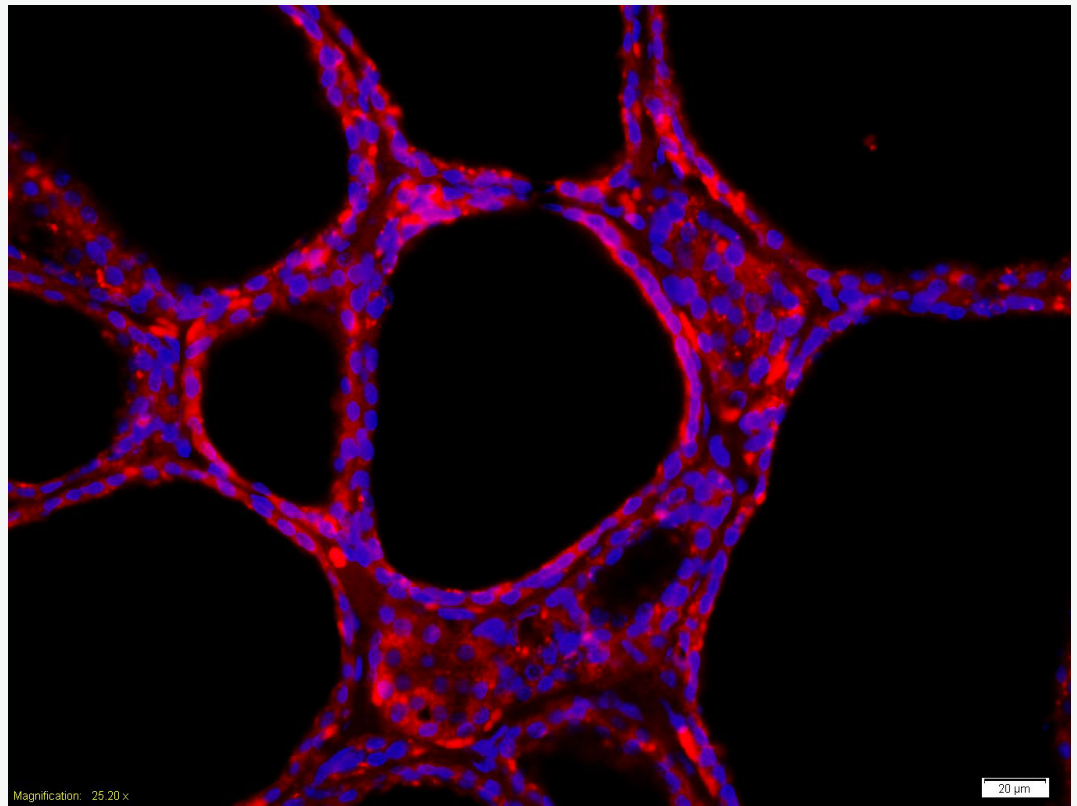
**Product
Picture**



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

Antigen retrieval: citrate buffer (1M, 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 (1M, 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(SL0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C.

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