

**GFRA4 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13249c****Specification**

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**GFRA4 Antibody (Center) Blocking peptide - Product Information**Primary Accession [O9GZZ7](#)**GFRA4 Antibody (Center) Blocking peptide - 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**

The synthetic peptide sequence used to generate the antibody AP13249c was selected from the Center region of GFRA4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GFRA4 Antibody (Center) Blocking peptide - Protein Information****Name** GFRA4**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.

**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

## **GFRA4 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **GFRA4 Antibody (Center) Blocking peptide - Images**

## **GFRA4 Antibody (Center) Blocking peptide - 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.

## **GFRA4 Antibody (Center) Blocking peptide - 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)Lindhahl, M., et al. J. Biol. Chem. 276(12):9344-9351(2001)