



[Go to Product page](#)

Datasheet for ABIN6990252  
**anti-GFRA3 antibody**

### Overview

Quantity:	0.1 mg
Target:	GFRA3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GFRA3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	GFR alpha 3 antibody was raised against a 14 amino acid peptide near the center of murine GFR alpha 3. The immunogen is located within the last 50 amino acids of GFR alpha 3.
Isotype:	IgG
Purification:	GFR alpha 3 Antibody is Antibody is DEAE purified.

### Target Details

Target:	GFRA3
Alternative Name:	GFR alpha 3 ( <a href="#">GFRA3 Products</a> )
Background:	GFR alpha 3 Antibody: Members of the glial cell line-derived neurotrophic factor (GDNF) family, including GDNF and neurturin (NTN) play essential roles in the control of vertebrate neuron survival and differentiation. A new member of the GDNF family was recently identified and

## Target Details

---

designated persephin. Physiological responses to these neurotrophic factors require two receptor subunits, the novel glycosylphosphatidylinositol linked protein GFR $\alpha$ , and Ret receptor tyrosine kinase GFR $\beta$ . Following the findings of GFR $\alpha$ , -1 and -2, a novel receptor in GFR $\alpha$ , family was identified from human and mouse and designated GFR $\alpha$ , -3. GFR $\alpha$ , -3 binds persephin, thus, persephin, GFR $\alpha$ , -3, and Ret PTK form a complex to transduce persephin signal and to mediate persephin function.

Molecular Weight: Predicted: 44 kDa

Observed: 43 kDa

Gene ID: 14587

NCBI Accession: [NP\\_034410](#)

UniProt: [O35118](#)

## Application Details

---

Application Notes: GFR alpha 3 antibody can be used for detection of GFR alpha 3 expression by Western blot at 0.5  $\mu$ g/mL. Antibody can also be used for immunohistochemistry starting at 5  $\mu$ g/mL. For immunofluorescence start at 5  $\mu$ g/mL.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Concentration: 1 mg/mL

Buffer: GFR alpha 3 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: GFR alpha 3 antibody can be stored at 4°C for three months and -20°C, stable for up to one

year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.