

Datasheet for ABIN499887

anti-GFRA3 antibody (Intermediate Domain)**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	GFRA3
Binding Specificity:	Intermediate Domain
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human GFR alpha 3 (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	GFR alpha 3 antibody was raised against a peptide corresponding to amino acids from 347 to 360 of murine GFR alpha 3.
Purification:	DEAE

Target Details

Target:	GFRA3
Alternative Name:	GFRA3 / GDNFR-alpha 3 (GFRA3 Products)
Background:	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

Target Details

differentiation. A new member of the GDNF family was recently identified and designated persephin. Physiological responses to these neurotrophic factors require two receptor subunits, the novel glycosylphosphatidylinositol linked protein GFRalpha and Ret receptor tyrosine kinase GFRbeta (2). Following the findings of GFR β -1 and -2, a novel receptor in GFRalpha family was identified very recently from human and mouse and designated GFRalpha-3. GFRalpha-3 binds persephin, thus, persephin, GFRalpha-3, and Ret PTK form a complex to transduce persephin signal and to mediate persephin function. Synonyms: GDNF family receptor alpha-3, GDNF receptor alpha-3, GFR-alpha-3

Gene ID: 14587

UniProt: [O35118](#)

Application Details

Application Notes: ELISA. Western Blot: 1/500 to 1/1000. Immunohistochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

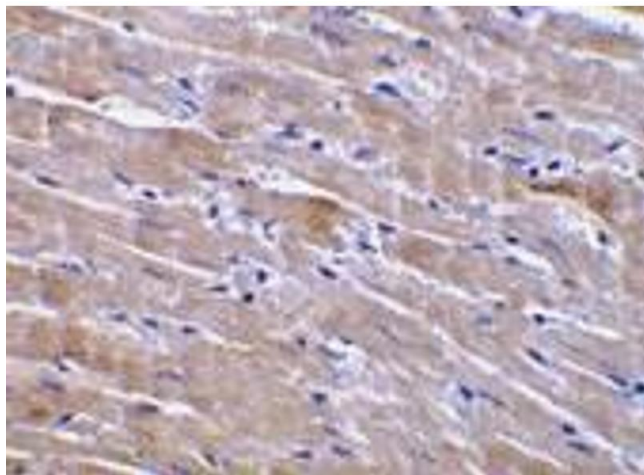
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

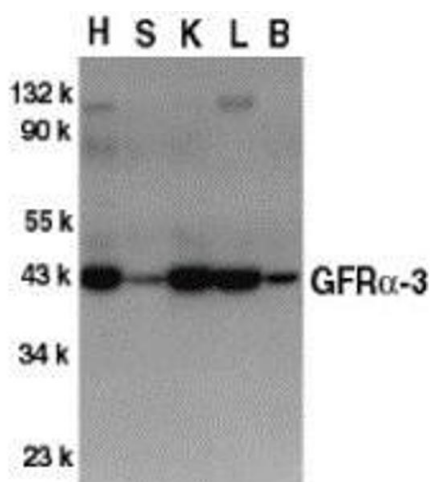
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of GFR alpha 3 in mouse heart tissue with GFR alpha 3 antibody at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of GFR alpha 3 in crude cell membrane fractions of mouse heart (H), spleen (S), kidney (K), liver (L), and brain (B), respectively, with AP30363PU-N GFR alpha 3 antibody at 1/500 dilution.