

## Datasheet

### GFRA1 polyclonal antibody

**Catalog Number:** PAB9889

**Regulation Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic peptide of GFRA1.

**Immunogen:** A synthetic peptide corresponding to amino acids 369-382 of human GFRA1.

**Host:** Rabbit

**Reactivity:** Human, Mouse, Rat

**Applications:** WB-Ti

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Recommend Usage:** Western Blot (1 ug/mL)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.02% sodium azide)

**Storage Instruction:** Store at -20°C.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 2674

**Gene Symbol:** GFRA1

**Gene Alias:** GDNFR, GDNFRA, GFR-ALPHA-1, MGC23045, RET1L, RETL1, TRNR1

**Gene Summary:** Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. The protein encoded by this gene is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for both GDNF and NTN, and mediates

activation of the RET tyrosine kinase receptor. This gene is a candidate gene for Hirschsprung disease. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq]

#### References:

1. Cloning of a novel murine isoform of the glial cell line-derived neurotrophic factor receptor. Dey BK, Wong YW, Too HP. Neuroreport. 1998 Jan 5;9(1):37-42.
2. Neurturin responsiveness requires a GPI-linked receptor and the Ret receptor tyrosine kinase. Buj-Bello A, Adu J, Pinon LG, Horton A, Thompson J, Rosenthal A, Chinchetru M, Buchman VL, Davies AM. Nature. 1997 Jun 12;387(6634):721-4.
3. TrnR2, a novel receptor that mediates neurturin and GDNF signaling through Ret. Baloh RH, Tansey MG, Golden JP, Creedon DJ, Heuckeroth RO, Keck CL, Zimonjic DB, Popescu NC, Johnson EM Jr, Milbrandt J. Neuron. 1997 May;18(5):793-802.