



# Mouse anti-Human GFRA1 monoclonal antibody, clone 2H5 (CABT-B10319)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	GFRA1 (NP_005255, 32 a.a. ~ 119 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	2H5
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,IF,ELISA
<b>Sequence Similarities</b>	ASDQCLKEQSCSTKYRTLRCVAGKETNFSLASGLEAKDECRSAMEALKQKSLYNCRCKR GMKKEKNCLRIYWSMYQSLQGNDLLED
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	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, Feb 2009]

---

**Keywords**

GFRA1; GDNF family receptor alpha 1; GDNFR; RET1L; RETL1; TRNR1; GDNFRA; GFR-ALPHA-1; GDNF family receptor alpha-1; RET ligand 1; GDNFR-alpha-1; GDNF receptor alpha-1; GPI-linked anchor protein; PI-linked cell-surface accessory protein; TGF-beta related neurotrophic factor receptor 1; TGF-beta-related neurotrophic factor receptor 1; Glial cell line-derived neurotrophic factor receptor alpha;

---

## GENE INFORMATION

**Entrez Gene ID**

[2674](#)

---

**UniProt ID**

[P56159](#)

---

**Pathway**

Axon guidance, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific biosystem; Signaling events regulated by Ret tyrosine kinase, organism-specific biosystem

---

**Function**

glial cell-derived neurotrophic factor receptor activity; integrin binding; receptor activity; receptor binding

---