



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

Immunogen	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.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2H5
Conjugate	Unconjugated
Applications	WB, IF, ELISA
Sequence Similarities	ASDQCLKEQSCSTKYRTLQCVAGKETNFSLASGLEAKDECRSAMEALKQKSLYNCRCKR GMKKEKNCLRIYWSMYQSLQGNDLLEDS
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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
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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;
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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
