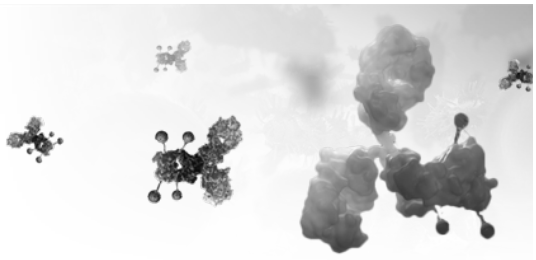

Mouse anti-Human LPHN1 monoclonal antibody, clone 5F23 (CABT-B10586)

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

PRODUCT INFORMATION

Immunogen	LPHN1 (AAH19928, 1 a.a. ~ 202 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	5F23
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	MGLASHLERLMAEGKWGGTGVVEGMGMAEEGAGNGKAVWGMGRGKGERSPSLSSTFPQGR RSQVPGLGSGHPCSGRLDPKSQTPEAPGSGCVLSTCPGPLLSSLSGQPPQPPSLNSRGSI APGHPSPAPALPFPQRWPLHLCSDLSPSLCPSFSHKCHEFSNIFGSQPAAAMNFVGLRGR GSRKELGGRGQVGGWRDPFCC*
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

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Introduction	This gene encodes a member of the latrophilin subfamily of G-protein coupled receptors (GPCR). Latrophilins may function in both cell adhesion and signal transduction. In experiments with non-human species, endogenous proteolytic cleavage within a cysteine-rich GPS (G-protein-coupled-receptor proteolysis site) domain resulted in two subunits (a large extracellular N-terminal cell adhesion subunit and a subunit with substantial similarity to the secretin/calcitonin family of GPCRs) being non-covalently bound at the cell membrane. Latrophilin-1 has been shown to recruit the neurotoxin from black widow spider venom, alpha-latrotoxin, to the synapse plasma membrane. Alternative splicing results in multiple variants encoding distinct isoforms.[provided by RefSeq, Oct 2008]
Keywords	LPHN1; latrophilin 1; CL1; LEC2; CIRL1; latrophilin-1; CIRL-1; lectomedin-2; calcium-independent alpha-latrotoxin receptor 1;

GENE INFORMATION

Entrez Gene ID	22859
UniProt ID	O94910
Pathway	GPCRs, Class B Secretin-like, organism-specific biosystem
Function	G-protein coupled receptor activity; latrotoxin receptor activity; sugar binding; toxin binding

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