



UNC5B Monoclonal Antibody

Catalog No	BYmab-05818
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	UNC5B P53RDL1 UNC5H2 UNQ1883/PRO4326
Protein Name	Netrin receptor UNC5B (Protein unc-5 homolog 2) (Protein unc-5 homolog B) (p53-regulated receptor for death and life protein 1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 350-430
Specificity	UNC5B Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	103kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Membrane raft . Associated with lipid rafts. .
Tissue Specificity	Highly expressed in brain. Also expressed at lower level in developing lung, cartilage, kidney and hematopoietic and immune tissues.
Function	function:Receptor for netrin required for axon guidance. Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding. Axon repulsion in growth cones may be caused by its association with DCC that may trigger signaling for repulsion. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand.,induction:By p53/TP53.,miscellaneous:Down-regulated in multiple cancers including colorectal, breast, ovary, uterus, stomach, lung, or kidney cancers.,PTM:Phosphorylated on cytoplasmic tyrosine residues.,PTM:Proteolytically cleaved by caspases during apoptosis. The cleavage does not take place when the receptor is associated with netrin ligand. Its cleavage by caspases is required to induce apoptosis.,similarity:Belongs to the

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unc-5 family.,similarity:Contains 1 death domain.,similarity:Contains 1 Ig-like (im

Background

This gene encodes a member of the netrin family of receptors. This particular protein mediates the repulsive effect of netrin-1 and is a vascular netrin receptor. This encoded protein is also in a group of proteins called dependence receptors (DpRs) which are involved in pro- and anti-apoptotic processes. Many DpRs are involved in embryogenesis and in cancer progression. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Oct 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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