



# UNC5B Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-05818
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	UNC5B P53RDL1 UNC5H2 UNQ1883/PRO4326
<b>Protein Name</b>	Netrin receptor UNC5B (Protein unc-5 homolog 2) (Protein unc-5 homolog B) (p53-regulated receptor for death and life protein 1)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 350-430
<b>Specificity</b>	UNC5B Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	103kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein . Membrane raft . Associated with lipid rafts. .
<b>Tissue Specificity</b>	Highly expressed in brain. Also expressed at lower level in developing lung, cartilage, kidney and hematopoietic and immune tissues.
<b>Function</b>	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 unc-5 family.,similarity:Contains 1 death domain.,similarity:Contains 1 Ig-like (im
<b>Background</b>	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