Immunotag™ UNC5C Polyclonal Antibody

Antibody Specification

Catalog No.	ITN0946
Product Description	Immunotag™ UNC5C Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	UNC5C
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein, at AA range: 60-140
Specificity	UNC5C Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	UNC5C UNC5H3
Accession No.	O95185 O08747 Q761X5

Antibody Specification

Description	unc-5 netrin receptor C(UNC5C) Homo sapiens This gene product belongs to the UNC-5 family of netrin receptors. Netrins are secreted proteins that direct axon extension and cell migration during neural development. They are bifunctional proteins that act as attractants for some cell types and as repellents for others, and these opposite actions are thought to be mediated by two classes of receptors. The UNC-5 family of receptors mediate the repellent response to netrin; they are transmembrane proteins containing 2 immunoglobulin (Ig)-like domains and 2 type I thrombospondin motifs in the extracellular region. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Axon guidance,
Protein Expression	Brain,Lung,
Subcellular Localization	plasma membrane,integral component of membrane,cell junction,neuron projection,synapse,
Protein 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. Also involved in corticospinal tract axon guidances independently of DCC. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand.,miscellaneous:Down-regulated in multiple cancers including colorectal, breast, ovary, uterus, stomach, lung, or kidney cancers.,PTM:Phosphorylated on different cytoplasmic tyrosine residues. Phosphorylation of Tyr-568 leads to an interaction with PTPN11 phosphatase, suggesting that its activity is regulated by phosphorylation/dephosphorylation. Tyrosine phosphorylation is netrin-dependent.,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 (immunoglobulin-like) domain.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 ZU5 domain.,similarity:Contains 2 TSP type-1 domains.,subunit:Interacts with the cytoplasmic part of DCC.,tissue specificity:Mainly expressed in brain. Also expressed in kidney. Not expressed in developing or adult lung.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.