10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DCC Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21272b

Product Information

Application	WB, E
Primary Accession	P43146
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB51762
Calculated MW	158457

Additional Information

Gene ID	1630
Other Names	Netrin receptor DCC, Colorectal cancer suppressor, Immunoglobulin superfamily DCC subclass member 1, Tumor suppressor protein DCC, DCC, IGDCC1
Target/Specificity	This DCC antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1048-1082 amino acids from the C-terminal region of human DCC.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DCC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DCC
Synonyms	IGDCC1
Function	Receptor for netrin required for axon guidance. Mediates axon attraction of

	neuronal growth cones in the developing nervous system upon ligand binding. Its association with UNC5 proteins may trigger signaling for axon repulsion. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand. Implicated as a tumor suppressor gene.
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Found in axons of the central and peripheral nervous system and in differentiated cell types of the intestine. Not expressed in colorectal tumor cells that lost their capacity to differentiate into mucus producing cells.

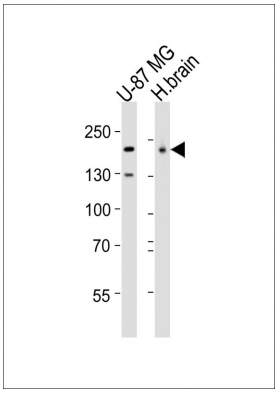
Background

Receptor for netrin required for axon guidance. Mediates axon attraction of neuronal growth cones in the developing nervous system upon ligand binding. Its association with UNC5 proteins may trigger signaling for axon repulsion. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand. Implicated as a tumor suppressor gene.

References

Hedrick L.,et al.Genes Dev. 8:1174-1183(1994).
Nusbaum C.,et al.Nature 437:551-555(2005).
Fearon E.R.,et al.Science 247:49-56(1990).
Nigro J.M.,et al.Cell 64:607-613(1991).
Cho K.R.,et al.Genomics 19:525-531(1994).

Images



All lanes : Anti-DCC Antibody (C-term) at 1:1000 dilution Lane 1: U-87 MG whole cell lysates Lane 2: human brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 158 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.