

Rabbit DCC Polyclonal Antibody | anti-DCC antibody

DCC Antibody

CATALOG # AAA324296	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

DCC; Polyclonal Antibody; DCC Antibody; Colorectal cancer related chromosome sequence 18; Colorectal cancer suppressor; CRC 18; CRC18; CRCR 1; CRCR1; DCC_HUMAN; Deleted in colorectal cancer protein; Deleted in colorectal carcinoma; Immunoglobulin superfamily DCC subclass member 1; Netrin receptor DCC; Tumor suppressor protein DCC; anti-DCC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DCC antibody detects endogenous levels of total DCC
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1447
Applicable Applications for anti-DCC antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Zebrafish, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (83%), Horse (83%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324296 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of DCC Antibody expression in ACHN cells lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-DCC antibody	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. Subunit Structure: Interacts with the cytoplasmic part of UNC5A, UNC5B, UNC5C and probably UNC5D. Interacts with DSCAM. Interacts with PTK2/FAK1 and MAPK1. Interacts with NTN1 (By similarity). Interacts with MYO10. Interacts with CBLN4; this interaction can be competed by NTN1 (By similarity). Post-translational Modifications: Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation. Similarity: Belongs to the immunoglobulin superfamily. DCC family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110431348
NCBI GeneID	1630
NCBI Accession #	NP_005206.2
NCBI GenBank Nucleotide #	NM_005215.3
UniProt Accession #	P43146
Molecular Weight	Observed: 158 kD Predicted: 159 kDa
NCBI Official Full Name	netrin receptor DCC
NCBI Official Synonym Full Names	DCC netrin 1 receptor
NCBI Official Symbol	DCC
NCBI Official Synonym Symbols	CRC18; CRCR1; MRMV1; HGPPS2; IGDCC1; NTN1R1
NCBI Protein Information	netrin receptor DCC
UniProt Protein Name	Netrin receptor DCC
UniProt Gene Name	DCC
UniProt Synonym Gene Names	IGDCC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.