

ARG58518 anti-DCC antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DCC
Tested Reactivity	Hu
Predict Reactivity	Hm
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DCC
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence at the N-terminus of Human DCC(162-178aa EVIGEPMTIHWQKNQQ), identical to the related Mouse sequence, and different from the related Rat sequence by one amino acid.
Conjugation	Un-conjugated
Alternate Names	Tumor suppressor protein DCC; Immunoglobulin superfamily DCC subclass member 1; CRC18; NTN1R1; MRMV1; Colorectal cancer suppressor; IGDC1; CRCR1; Netrin receptor DCC

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

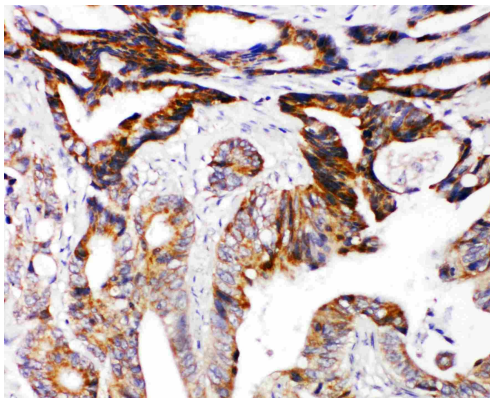
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

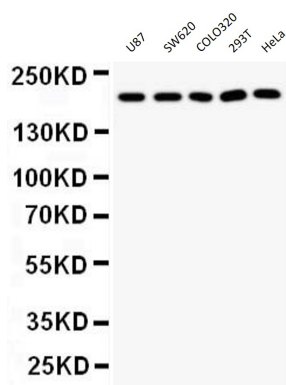
Gene Symbol	DCC
Gene Full Name	DCC netrin 1 receptor
Background	This gene encodes a netrin 1 receptor. The transmembrane protein is a member of the immunoglobulin superfamily of cell adhesion molecules, and mediates axon guidance of neuronal growth cones towards sources of netrin 1 ligand. The cytoplasmic tail interacts with the tyrosine kinases Src and focal adhesion kinase (FAK, also known as PTK2) to mediate axon attraction. The protein partially localizes to lipid rafts, and induces apoptosis in the absence of ligand. The protein functions as a tumor suppressor, and is frequently mutated or downregulated in colorectal cancer and esophageal carcinoma. [provided by RefSeq, Oct 2009]
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. [UniProt]
Calculated Mw	158 kDa
PTM	Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG58518 anti-DCC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer stained with ARG58518 anti-DCC antibody.



ARG58518 anti-DCC antibody WB image

Western blot: U87, SW620, COLO320, 293T and HeLa cell lysates stained with ARG58518 anti-DCC antibody.