

For Research Use Only

DCC-Specific Polyclonal antibody

Catalog Number: 19123-1-AP **2 Publications**



Basic Information

Catalog Number: 19123-1-AP	GenBank Accession Number: NM_005215	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 µg/ml by Nanodrop and 427 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1630	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: deleted in colorectal carcinoma	
Isotype: IgG	Calculated MW: 1447 aa, 158 kDa	
	Observed MW: 180 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue,
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

Background Information

DCC, also named as IGDC1, belongs to the immunoglobulin superfamily and DCC family. DCC is a receptor for netrin required for axon guidance. DCC 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. DCC gene is a tumor suppressor gene. This antibody raised against a synthesized polypeptide of human DCC protein recognizes endogenous DCC with an apparent molecular weight of 180 kDa. As the predicted molecular mass of DCC is 158 kDa, the slower mobility is likely attributable to post-translational modification, perhaps by glycosylation at potential N-linked glycosylation sites (PMID: 7926722; 8044801).

Notable Publications

Author	Pubmed ID	Journal	Application
Mian Xiao	34344989	Sci Rep	IF
Dongdong Chai	32271715	Aging (Albany NY)	WB

Storage

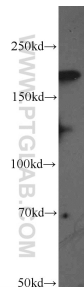
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 19123-1-AP (DCC-Specific Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.