

For Research Use Only

# DCC-Specific Monoclonal antibody

Catalog Number: 67203-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67203-1-Ig	<b>GenBank Accession Number:</b> NM_005215	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1630	<b>CloneNo.:</b> 2G4G4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P43146	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> deleted in colorectal carcinoma	
<b>Immunogen Catalog Number:</b> AG20569	<b>Calculated MW:</b> 1447 aa, 158 kDa	
	<b>Observed MW:</b> 180 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> Human, Mouse	
<b>Cited Species:</b> mouse	

## Background Information

DCC, also named as IGDCC1, belongs to the immunoglobulin superfamily and DCC family. DCC is a receptor for netrin required for axon guidance. DCC plays a key role in the developing nervous system. 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 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
Shaojie Yang	39224830	Neurobiol Stress	WB,IF
Jiamin Hu	38848974	J Ethnopharmacol	WB,IF

## Storage

**Storage:**  
Store at -20°C.  
**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:  
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 67203-1-Ig (DCC-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.