

Goat Anti-DSCAM Antibody
Peptide-affinity purified goat antibody
Catalog # AF1341a**Specification**

Goat Anti-DSCAM Antibody - Product Information

Application	WB
Primary Accession	O60469
Other Accession	NP_996770 , 1826 , 13508 (mouse) , 171119 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	222260

Goat Anti-DSCAM Antibody - Additional Information**Gene ID** 1826**Other Names**

Down syndrome cell adhesion molecule, CHD2, DSCAM

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-DSCAM Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-DSCAM Antibody - Protein Information**Name** DSCAM**Function**

Cell adhesion molecule that plays a role in neuronal self- avoidance. Promotes repulsion between specific neuronal processes of either the same cell or the same subtype of cells. Mediates within retinal amacrine and ganglion cell subtypes both isoneuronal self- avoidance for creating an orderly dendritic arborization and heteroneuronal self-avoidance to maintain the mosaic spacing between amacrine and ganglion cell bodies (PubMed:10925149). Receptor for

netrin required for axon guidance independently of and in collaboration with the receptor DCC. Might also collaborate with UNC5C in NTN1- mediated axon repulsion independently of DCC (By similarity). In spinal cord development plays a role in guiding commissural axons projection and pathfinding across the ventral midline to reach the floor plate upon ligand binding (PubMed:18585357, PubMed:19196994). Mediates intracellular signaling by stimulating the activation of MAPK8 and MAP kinase p38 (PubMed:18585357, PubMed:19196994). Adhesion molecule that promotes lamina-specific synaptic connections in the retina: expressed in specific subsets of interneurons and retinal ganglion cells (RGCs) and promotes synaptic connectivity via homophilic interactions (By similarity).

Cellular Location

[Isoform Short]: Secreted.

Tissue Location

Primarily expressed in brain.

Goat Anti-DSCAM Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-DSCAM Antibody - Images



AF1341a (2 µg/ml) staining of Human Brain (Cerebellum) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-DSCAM Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

DSCAM and DSCAML1 function in self-avoidance in multiple cell types in the developing mouse retina. Fuerst PG, et al. Neuron, 2009 Nov 25. PMID 19945391.

Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. Trynka G, et al. Gut, 2009 Aug. PMID 19240061.

Endodomain diversity in the Drosophila Dscam and its roles in neuronal morphogenesis. Yu HH, et al. J Neurosci, 2009 Feb 11. PMID 19211897.

DSCAM functions as a netrin receptor in commissural axon pathfinding. Liu G, et al. Proc Natl Acad Sci U S A, 2009 Feb 24. PMID 19196994.