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Datasheet for ABIN7150650

anti-DSCAM antibody (AA 1711-1867) (Biotin)

Overview

Quantity:	100 µg
Target:	DSCAM
Binding Specificity:	AA 1711-1867
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DSCAM antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Down syndrome cell adhesion molecule protein (1711-1867AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	DSCAM
Alternative Name:	DSCAM (DSCAM Products)
Background:	Background: 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

Target Details

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. In spinal chord 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). Enhances netrin-induced phosphorylation of PAK1 and FYN (PubMed:15169762). 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).

Aliases: CHD2 42 antibody, CHD2 52 antibody, CHD2 antibody, Down syndrome cell adhesion molecule antibody, DSCAM antibody, DSCAM_HUMAN antibody, human CHD2-52 down syndrome cell adhesion molecule 2, 9 antibody, OTTHUMP00000109193 2 antibody, SD11109p antibody

UniProt: [O60469](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.