

DSCAML1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55572

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8TD84
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	224463

Additional Information

Gene ID	57453
Other Names	Down syndrome cell adhesion molecule-like protein 1, Down syndrome cell adhesion molecule 2, DSCAML1, DSCAM2, KIAA1132 {ECO:0000303 PubMed:10574461}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DSCAML1
Synonyms	DSCAM2, KIAA1132 {ECO:0000303 PubMed:105}
Function	Cell adhesion molecule that plays a role in neuronal self-avoidance (PubMed: 11453658). Promotes repulsion between specific neuronal processes of either the same cell or the same subtype of cells. Promotes both isoneuronal self-avoidance for creating an orderly neurite arborization in retinal rod bipolar cells and heteroneuronal self-avoidance to maintain mosaic spacing between AII amacrine cells (By similarity). 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	Cell membrane; Single-pass type I membrane protein. Synapse {ECO:0000250 UniProtKB:E1C8P7}
Tissue Location	Detected in heart, liver, pancreas, skeletal muscle, kidney and in brain, in

particular in the amygdala, caudate nucleus, corpus callosum, hippocampus, substantia nigra, thalamus and subthalamus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.