CD2AP Antibody

PRODUCT OVERVIEW

Product Name	Cd2ap, Antibody
Full Product Name	Cd2ap Antibody
Product Gene Name	anti-Cd2ap antibody
Molecular Weight	71,451 Da
OMIM	604241
3D Structure	ModBase 3D Structure for Q9Y5K6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-Cd2ap antibody	MBS8501944 is an antibody targeting Cd2ap. Also known as Cd2ap Antibody.
Other Notes	Small volumes of anti-Cd2ap antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cd2ap. It may not necessarily be applicable to this product.

NCBI GI #	11321634
NCBI GeneID	23607
NCBI Accession #	NP_036252.1
UniProt Primary Accession #	Q9Y5K6
UniProt Secondary Accession #	Q5VYA3; Q9UG97; A6NL34
UniProt Related Accession #	Q9Y5K6
GenBank Nucleotide #	NM_012120.2
NCBI Official Full Name	CD2-associated protein
NCBI Official Synonym Full Names	CD2 associated protein
NCBI Official Symbol	CD2AP
NCBI Official Synonym Symbols	CMS
UniProt Protein Name	CD2-associated protein
UniProt Synonym Protein Names	Adapter protein CMS; Cas ligand with multiple SH3 domains
Protein Family	CD2-associated protein
UniProt Gene Name	CD2AP
NCBI Protein Information	CD2-associated protein

NCBI Summary for Cd2ap	This gene encodes a scaffolding molecule that regulates the actin cytoskeleton. The protein directly interacts with filamentous actin and a variety of cell membrane proteins through multiple actin binding sites, SH3 domains, and a proline-rich region containing binding sites for SH3 domains. The cytoplasmic protein localizes to membrane ruffles, lipid rafts, and the leading edges of cells. It is implicated in dynamic actin remodeling and membrane trafficking that occurs during receptor endocytosis and cytokinesis. Haploinsufficiency of this gene is implicated in susceptibility to glomerular disease. [provided by RefSeq, Jul 2008]
UniProt Comments for Cd2ap	Seems to act as an adapter protein between membrane proteins and the actin cytoskeleton (PubMed:10339567). In collaboration with CBLC, modulates the rate of RET turnover and may act as regulatory checkpoint that limits the potency of GDNF on neuronal survival. Controls CBLC function, converting it from an inhibitor to a promoter of RET degradation (). May play a role in receptor clustering and cytoskeletal polarity in the junction between T-cell and antigen-presenting cell (). May anchor the podocyte slit diaphragm to the actin cytoskeleton in renal glomerolus. Also required for cytokinesis (PubMed:15800069). Plays a role in epithelial cell junctions formation (PubMed:22891260).
Research Articles on Cd2ap	**1.** CD2AP is an sporadic-Alzheimer's-disease risk gene in a southern Chinese Han population.
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