

Product Name: DENN (5N10) Rabbit Monoclonal Antibody
Catalog #: AMRe09915

Summary

Production Name	DENN (5N10) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	MADD {ECO:0000312 EMBL:AAB57735.1, ECO:0000312 HGNC:HGNC:6766}
Alternative Names	IG20; MADD; RAB3GEP;
Gene ID	8567.0
SwissProt ID	Q8WXG6.A synthetic peptide of human DENN

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	183kDa

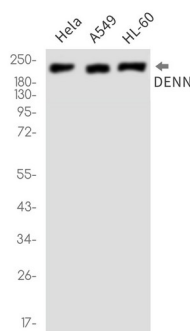
Background

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Plays a significant role in regulating cell proliferation, survival and death through alternative mRNA splicing. Isoform 5 shows increased cell proliferation and isoform 2 shows decreased. Converts GDP-bound inactive form of RAB3A, RAB3C and RAB3D to the GTP-bound active forms. Guanyl-nucleotide exchange factor that regulates small GTPases of the Rab family (PubMed: [20937701](http://www.uniprot.org/citations/20937701), PubMed: [18559336](http://www.uniprot.org/citations/18559336)). Converts GDP-bound inactive form of RAB27A and RAB27B to the GTP-bound active forms (PubMed: [20937701](http://www.uniprot.org/citations/20937701), PubMed: [18559336](http://www.uniprot.org/citations/18559336)). Converts GDP-bound inactive form of RAB3A, RAB3C and RAB3D to the GTP-bound active forms, GTPases involved in synaptic vesicle exocytosis and vesicle secretion (By similarity). Plays a role in synaptic vesicle formation and in vesicle trafficking at the neuromuscular junction (By similarity). Involved in upregulating a post-docking step of synaptic exocytosis in central synapses (By similarity). Probably by binding to the motor proteins KIF1B and KIF1A, mediates motor-dependent transport of GTP-RAB3A- positive vesicles to the presynaptic nerve terminals (By similarity). Plays a role in TNFA-mediated activation of the MAPK pathway, including ERK1/2 (PubMed: [32761064](http://www.uniprot.org/citations/32761064)). May link TNFRSF1A with MAP kinase activation (PubMed: [9115275](http://www.uniprot.org/citations/9115275)). May be involved in the regulation of TNFA-induced apoptosis (PubMed: [11577081](http://www.uniprot.org/citations/11577081), PubMed: [32761064](http://www.uniprot.org/citations/32761064)).

Research Area

Image Data



Western blot detection of DENN in HeLa,A549,HL-60 cell lysates using DENN antibody(1:1000 diluted).

Note

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