

Anti-MADD Antibody

Rabbit polyclonal antibody to MADD

Catalog # AP59748

Product Information

Application	WB, IP
Primary Accession	Q8WXG6
Reactivity	Human, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	183303

Additional Information

Gene ID	8567
Other Names	DENN; IG20; KIAA0358; MAP kinase-activating death domain protein; Differentially expressed in normal and neoplastic cells; Insulinoma glucagonoma clone 20; Rab3 GDP/GTP exchange factor
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MADD. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IP~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	MADD {ECO:0000312 EMBL:AAB57735.1, ECO:0000312 HGNC:HGNC:6766}
Function	Guanyl-nucleotide exchange factor that regulates small GTPases of the Rab family (PubMed: 18559336 , PubMed: 20937701). Converts GDP-bound inactive form of RAB27A and RAB27B to the GTP-bound active forms (PubMed: 18559336 , PubMed: 20937701). 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 up-regulating 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). May

link TNFRSF1A with MAP kinase activation (PubMed:[9115275](#)). May be involved in the regulation of TNFA-induced apoptosis (PubMed:[11577081](#), PubMed:[32761064](#)).

Cellular Location

Cell membrane. Cytoplasm. Cell projection, axon
{ECO:0000250|UniProtKB:Q80U28}

Tissue Location

Expressed in testis, ovary, brain and heart (PubMed:8988362). Expressed in spleen, thymus, prostate, testis, ovary, small intestine and colon (PubMed:9115275). Expressed in liver (PubMed:9796103). [Isoform 2]: Expressed in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and thyroid [Isoform 4]: Expressed in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and thyroid [Isoform 6]: Not detected in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and thyroid

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MADD. The exact sequence is proprietary.

Images



Western blot analysis of MADD expression in PC12 (A) whole cell lysates.

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