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Anti-MADD Antibody

Rabbit polyclonal antibody to MADD Catalog # AP59748

Product Information

Application WB, IP
Primary Accession Q8WXG6

Reactivity Human, Rat, Monkey

HostRabbitClonalityPolyclonalCalculated MW183303

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:<u>9115275</u>). May be involved in the regulation of TNFA-induced apoptosis (PubMed:<u>11577081</u>,

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

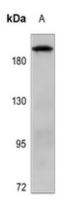
spleen, thymus, prostate, testis, ovary, small instestine and colon (PubMed:9115275). Expressed in liver (PubMed:9796103). [Isoform 2]: Expressed in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and thyroid [Isoform 4]: Expressed in the brain, breast, kidney, lung, ovary, 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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