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KD-Validated Anti-MAP Kinase Activating Death Domain Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1587

Product Information

Application	WB, FC, ICC
Primary Accession	Q8WXG6
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB110
Calculated MW	183303
Gene Name	MADD
Aliases	MAP Kinase Activating Death Domain; DENN; Differentially Expressed In Normal And Neoplastic Cells; KIAA0358; RAB3GEP; IG20; MAP Kinase-Activating Death Domain Protein; Insuloma-Glucagonoma Protein 20; Insulinoma Glucagonoma Clone 20; Rab3 GDP/GTP Exchange Protein; Rab3 GDP/GTP Exchange Factor; RabGEF; MAP-Kinase Activating Death Domain; NEDDISH; Rab3GEP; DEEAH
Immunogen	A synthesized peptide derived from human DENN

Additional Information

Gene ID	8567
Other Names	MAP kinase-activating death domain protein, Differentially expressed in normal and neoplastic cells, Insulinoma glucagonoma clone 20, Rab3 GDP/GTP exchange factor, RabGEF, Rab3 GDP/GTP exchange protein, Rab3GEP, MADD {ECO:0000312|EMBL:AAB57735.1, ECO:0000312|HGNC:HGNC:6766}

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 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

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