

**Anti-MADD Antibody**  
Rabbit polyclonal antibody to MADD  
Catalog # AP59748

**Specification**

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**Anti-MADD Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O8WXG6</a>
Reactivity	<b>Human, Rat, Monkey</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>183303</b>

**Anti-MADD Antibody - 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**

Recognizes endogenous levels of MADD protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)

**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

**Anti-MADD Antibody - 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:<a href="http://www.uniprot.org/citations/18559336" target="\_blank">18559336</a>, PubMed:<a href="http://www.uniprot.org/citations/20937701" target="\_blank">20937701</a>). Converts GDP-bound inactive form of RAB27A and RAB27B to the GTP-bound active forms (PubMed:<a href="http://www.uniprot.org/citations/18559336" target="\_blank">18559336</a>, PubMed:<a href="http://www.uniprot.org/citations/20937701" target="\_blank">20937701</a>). 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:<a href="http://www.uniprot.org/citations/32761064" target="\_blank">32761064</a>). May link TNFRSF1A with MAP kinase activation (PubMed:<a href="http://www.uniprot.org/citations/9115275" target="\_blank">9115275</a>). May be involved in the regulation of TNFA-induced apoptosis (PubMed:<a href="http://www.uniprot.org/citations/11577081" target="\_blank">11577081</a>, PubMed:<a href="http://www.uniprot.org/citations/32761064" target="\_blank">32761064</a>).

#### Cellular Location

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

#### Tissue Location

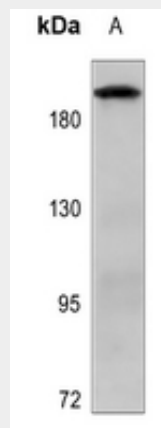
Expressed in testis, ovary, brain and heart (PubMed:8988362). Expressed in spleen, thymus, prostate, testis, ovary, small intestine and colon (PubMed:9115275). Expressed in liver (PubMed:9796103). [Isoform 2]: Expressed in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and 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

#### Anti-MADD Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-MADD Antibody - Images



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

#### Anti-MADD Antibody - Background

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