BACKGROUND

MADD (MAP-kinase activating death domain), also known as DENN, IG20 or KIAA0358, is a 1,647 amino acid multi-pass membrane protein that contains one DENN domain and one death domain and belongs to the MADD family. Expressed at high levels in adult testis, heart and ovary, as well as in fetal brain and kidney, MADD interacts with TNF-R1 and plays an important role in cell proliferation, survival and death, specifically by regulating alternative splicing events. Overexpression of MADD stimulates the mitogen-activated protein (MAP) kinase extracellular signal-regulated kinase (ERK), thereby influencing MAP kinase signaling cascades. Multiple isoforms of MADD exist due to alternative splicing events.

REFERENCES


CHROMOSOMAL LOCATION

Genetic locus: MADD (human) mapping to 11p11.2; MADD (mouse) mapping to 2 E1.

STORAGE

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

SOURCE

MADD (H-300) is a rabbit polyclonal antibody raised against amino acids 1-298 mapping at the N-terminus of MADD of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-98434 X, 200 µg/0.1 ml.

APPLICATIONS

MADD (H-300) is recommended for detection of MADD of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

MADD (H-300) is also recommended for detection of MADD in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for MADD siRNA (h): sc-75726, MADD siRNA (m): sc-75727, MADD shRNA Plasmid (h): sc-75726-SH, MADD shRNA Plasmid (m): sc-75727-SH, MADD shRNA (h) Lentiviral Particles: sc-75726-V and MADD shRNA (m) Lentiviral Particles: sc-75727-V.

MADD (H-300) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight (predicted) of MADD: 176 kDa.

DATA

MADD (H-300): sc-98434. Western blot analysis of MADD expression in HEK293 whole cell lysate.

RESEARCH USE

For research use only, not for use in diagnostic procedures.