

MYADML2 (N-18): sc-324148

BACKGROUND

MYADML2 (myeloid-associated differentiation marker-like protein 2) is a 307 amino acid multi-pass membrane protein that belongs to the MAL family. Containing two MARVEL domains, MYADML2 is encoded by a gene that maps to human chromosome 17q25.3. Human chromosome 17 comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MYADML2 (human) mapping to 17q25.3; Myadml2 (mouse) mapping to 11 E2.

SOURCE

MYADML2 (N-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of MYADML2 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.

Blocking peptide available for competition studies, sc-324148 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

MYADML2 (N-18) is recommended for detection of MYADML2 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with MYADM.

MYADML2 (N-18) is also recommended for detection of MYADML2 in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for MYADML2 siRNA (h): sc-105634, MYADML2 siRNA (m): sc-108154, MYADML2 shRNA Plasmid (h): sc-105634-SH, MYADML2 shRNA Plasmid (m): sc-108154-SH, MYADML2 shRNA (h) Lentiviral Particles: sc-105634-V and MYADML2 shRNA (m) Lentiviral Particles: sc-108154-V.

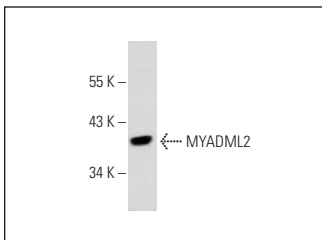
Molecular Weight of MYADML2: 33 kDa.

Positive Controls: human kidney extract: sc-363764.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.4

DATA



MYADML2 (N-18): sc-324148. Western blot analysis of MYADML2 expression in human kidney tissue extract.

STORAGE

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

RESEARCH USE

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