SANTA CRUZ BIOTECHNOLOGY, INC.

DAAM2 (E-15): sc-68297

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

DAAM2 (disheveled associated activator of morphogenesis 2), also known as KIAA0381, is a widely expressed 1,068 amino acid protein that contains one DAD domain, one FH1 domain, one FH2 domain and one GBD domain, through which it may play a role in Wnt/frizzled-associated signaling events. The gene encoding DAAM2 maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

REFERENCES

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2. Habas, R., Kato, Y. and He, X. 2001. Wnt/frizzled activation of Rho regulates vertebrate gastrulation and requires a novel Formin homology protein DAAM1. Cell 107: 843-854.
3. Katoh, M. and Katoh, M. 2003. Identification and characterization of human DAAM2 gene in silico. Int. J. Oncol. 22: 915-920.
4. Kida, Y., Shiraishi, T. and Ogura, T. 2004. Identification of chick and mouse Daam1 and Daam2 genes and their expression patterns in the central nervous system. Brain Res. Dev. Brain Res. 153: 143-150.
5. Nakaya, M.A., Habas, R., Biris, K., Dunty, W.C., Kato, Y., He, X. and Yamaguchi, T.P. 2004. Identification and comparative expression analyses of Daam genes in mouse and *Xenopus*. Gene Expr. Patterns 5: 97-105.

CHROMOSOMAL LOCATION

Genetic locus: DAAM2 (human) mapping to 6p21.2; Daam2 (mouse) mapping to 17 C.

SOURCE

DAAM2 (E-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of DAAM2 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-68297 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

DAAM2 (E-15) is recommended for detection of Disheveled-associated activator of morphogenesis 2 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).

DAAM2 (E-15) is also recommended for detection of Disheveled-associated activator of morphogenesis 2 in additional species, including porcine.

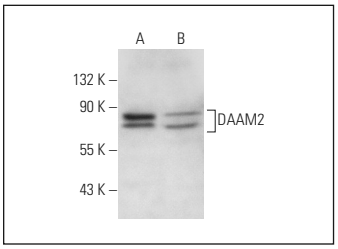
Suitable for use as control antibody for DAAM2 siRNA (h): sc-62192, DAAM2 siRNA (m): sc-62193, DAAM2 shRNA Plasmid (h): sc-62192-SH, DAAM2 shRNA Plasmid (m): sc-62193-SH, DAAM2 shRNA (h) Lentiviral Particles: sc-62192-V and DAAM2 shRNA (m) Lentiviral Particles: sc-62193-V.

Molecular Weight (predicted) of DAAM2: 123 kDa.

Molecular Weight (observed) of DAAM2: 82 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200 or T98G cell lysate: sc-2294.

DATA



DAAM2 (E-15): sc-68297. Western blot analysis of DAAM2 expression in HeLa (**A**) and T98G (**B**) whole cell lysates.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

MONOS Satisfaction Guaranteed

Try **DAAM2 (E-1): sc-515129**, our highly recommended monoclonal alternative to DAAM2 (E-15).