

Mouse DAAM1 Monoclonal Antibody | anti-DAAM1 antibody

DAAM1 (N-terminal region) Antibody

CATALOG # AAA71617	HOST Mouse	REACTIVITY Human, Rat, Mouse	APPLICATIONS Immunocytochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

DAAM1; Monoclonal Antibody; DAAM1 (N-terminal region) Antibody; DAAM1 (N-terminal region); anti-DAAM1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	5D3
Specificity	The antibody detects a 125kDa* protein corresponding to the apparent molecular mass of DAAM1 on SDS-PAGE immunoblots of human A431, K562, and mouse C2C12 cells.
Form/Format	Mouse monoclonal antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-DAAM1 antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone 5D3 was generated from a recombinant protein that included amino acid residues 1 to 111 in human DAAM1. This sequence has less than 50% homology to the N-terminal region of DAAM2.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of DAAM1 in aldehyde-fixed and NP-40-permeabilized A431 cells. The cells were labeled with mouse monoclonal DAAM1 (N-terminal region) antibody, then the antibody was detected using appropriate secondary antibody conjugated to DyLight 594. The corresponding phase image is shown to the right.



WB (Western Blot)

Western blot analysis of DAAM1 expression in mouse C2C12 (lane 1), human A431 (lane 2), and K562 (lane 3) cell lysates. The blots were probed with mouse monoclonal DAAM1 (N-terminal region) antibody at 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-DAAM1 antibody	Formins include several families of proteins that regulate actin cytoskeletal dynamics via two conserved formin homology domains, FH1 and FH2. The FH1 region contains poly-proline stretches that promote interactions with profilin. The FH2 domain, located C-terminally to the FH1 domain, is highly conserved in formin proteins and possesses actin nucleation and polymerization activities. Through cooperation of FH1 and FH2, formins construct actin-based structures comprising linear, unbranched filaments that are used in stress fibers, actin cables, microspikes, and contractile rings. Dishevelled associated activator of morphogenesis proteins (DAAM1 and DAAM2) are formin family members involved in WNT signaling. DAAM1 is ubiquitously expressed and may be important for regulating actin dynamics in several cell types. DAAM1 can bind RhoGTPase and dishevelled in WNT signaling pathways, and interacts with the SH3 domains of cell signaling mediators, such as c-Src.
References	Aspenstrom, P. et al. (2006) Exp Cell Res. 312(12):2180. Kida, Y. et al. (2004) Brain Res Dev Brain Res. 153(1):143. Habas, R. et al. (2001) Cell 107(7):843.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21071077
NCBI GeneID	23002
NCBI Accession #	NP_055807.1
NCBI GenBank Nucleotide #	NM_014992.2
UniProt Accession #	Q9Y4D1; Q86U34; Q8N1Z8; Q8TB39
Molecular Weight	100,745 Da
NCBI Official Full Name	disheveled-associated activator of morphogenesis 1 isoform 1
NCBI Official Synonym Full Names	dishevelled associated activator of morphogenesis 1
NCBI Official Symbol	DAAM1
NCBI Protein Information	disheveled-associated activator of morphogenesis 1
UniProt Protein Name	Disheveled-associated activator of morphogenesis 1
UniProt Gene Name	DAAM1
UniProt Synonym Gene Names	KIAA0666
UniProt Entry Name	DAAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/daam1-antibody-clone-5d3-immunocytochemistry-western-blot-elisa/71617>