DAAM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DAAM1, Polyclonal Antibody
Full Product Name	DAAM1, NT (Disheveled-associated Activator Of Morphogenesis 1, DAAM1, KIAA0666) (MaxLight 405)
Product Gene Name	anti-DAAM1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human DAAM1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	123kDa
OMIM	606626
3D Structure	ModBase 3D Structure for Q9Y4D1
Immunogen	Synthetic peptide selected from the N-terminal region of human DAAM1 (KLH).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-DAAM1 antibody	Antibodies; Actin Related Proteins
Applications Tested/Suitable for anti-DAAM1 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-DAAM1 antibody	IHC: 1:10-1:50 FLISA: 1:1,000 WB: 1:50-1:100 Applications are based on unconjugated antibody.
Related Product Information for anti-DAAM1 antibody	MBS6471816 is an antibody targeting DAAM1. Also known as DAAM1, NT (Disheveled-associated Activator Of Morphogenesis 1, DAAM1, KIAA0666) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-DAAM1 antibody	1. Liu, W., Proc. Natl. Acad. Sci. USA 105(1), 210-215 (2008). 2. Yamashita, M., Genes Cells 12(11), 1255-1265 (2007). 3. Lu, J., J. Mol. Biol. 369(5), 1258-1269 (2007).
Other Notes	Small volumes of anti-DAAM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DAAM1. It may not necessarily be applicable to this product.

NCBI GI #	21071077
NCBI GeneID	23002
NCBI Accession #	NP_055807
UniProt Primary Accession #	Q9Y4D1
UniProt Related Accession #	Q9Y4D1
GenBank Nucleotide #	NM_014992
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
UniProt Protein Name	Disheveled-associated activator of morphogenesis 1
Protein Family	Disheveled-associated activator of morphogenesis
UniProt Gene Name	DAAM1
UniProt Synonym Gene Names	KIAA0666
UniProt Entry Name	DAAM1_HUMAN
NCBI Protein Information	disheveled-associated activator of morphogenesis 1
NCBI Summary for DAAM1	Cell motility, adhesion, cytokinesis, and other functions of the cell cortex are mediated by reorganization of the actin cytoskeleton and several formin homology (FH) proteins have been associated with these processes. The protein encoded by this gene contains two FH domains and belongs to a novel FH protein subfamily implicated in cell polarity. A key regulator of cytoskeletal architecture, the small GTPase Rho, is activated during development by Wnt/Fz signaling to control cell polarity and movement. The protein encoded by this gene is thought to function as a scaffolding protein for the Wnt-induced assembly of a disheveled (Dvl)-Rho complex. This protein also promotes the nucleation and elongation of new actin filaments and regulates cell growth through the stabilization of microtubules. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jul 2012]
UniProt Comments for DAAM1	DAAM1: Binds to disheveled (Dvl) and Rho, and mediates Wnt- induced Dvl-Rho complex formation. May play a role as a scaffolding protein to recruit Rho-GDP and Rho-GEF, thereby enhancing Rho-GTP formation. Can direct nucleation and elongation of new actin filaments. Belongs to the formin homology family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Adaptor/scaffold Chromosomal Location of Human Ortholog: 14q23.1 Cellular Component: membrane; cytoplasm; stress fiber; plasma membrane; cytosol Molecular Function: identical protein binding; protein binding; Rho GTPase binding; actin binding Biological Process: actin cytoskeleton organization and biogenesis
Research Articles on DAAM1	**1.** Integrin alphavbeta3-associated DAAM1 is essential for collagen-induced invadopodia extension and cell haptotaxis in breast cancer cells
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