

## Rabbit DAAM1-T361 Polyclonal Antibody | anti-DAAM1 antibody

DAAM1-T361 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY     | APPLICATIONS                                                                |
|-----------|--------|----------------|-----------------------------------------------------------------------------|
| AAA284091 | Rabbit | Human, hamster | ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot |

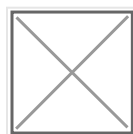
### PRODUCT SYNONYMS

DAAM1-T361; Polyclonal Antibody; DAAM1-T361 Antibody (N-term); Disheveled-associated activator of morphogenesis 1; DAAM1; KIAA0666; anti-DAAM1 antibody

### PRODUCT SPECIFICATIONS

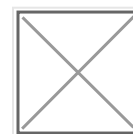
|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactivity                                      | Human, hamster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                     | This DAAM1-T361 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 341-370 amino acids from the N-terminal region of human DAAM1-T361.                                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence Positions                              | 341-370                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sequence Length                                 | 1068                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-DAAM1 antibody | ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Function                                        | Binds to disheveled (Dvl) and Rho, andmediates 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 actinfilaments. Involved in building functional cilia (PubMed: , PubMed:17482208). Involved in the organization of the subapicalactin network in multiciliated epithelial cells (By similarity). Together with DAAM2, required for myocardial maturation and sarcomere assembly (By similarity). |
| Cellular Location                               | Cytoplasm. Cytoplasm, cytoskeleton, ciliumbasal body. Note=Perinuclear                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tissue Location                                 | Expressed in all tissues examined.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                            |

### IMAGES



#### FCM/FACS (Flow Cytometry)

DAAM1-T361 Antibody (N-term) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



#### IHC (Immunohistochemistry)

DAAM1-T361 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DAAM1-T361 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

**WB (Western Blot)**

DAAM1-T361 Antibody (N-term) western blot analysis in CHO cell line lysates (35ug/lane). This demonstrates the DAAM1 antibody detected the DAAM1 protein (arrow).

**WB (Western Blot)**

DAAM1-T361 Antibody (N-term) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the DAAM1 antibody detected the DAAM1 protein (arrow).

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-DAAM1 antibody</b> | Functions of the cell cortex, including motility, adhesion, and cytokinesis, are mediated by the reorganization of the actin cytoskeleton and recent evidence suggests a role for the Formin homology (FH) proteins in these processes. The protein encoded by this gene contains FH domains and belongs to a novel FH protein subfamily implicated in cell polarity. Wnt/Fz signaling activates the small GTPase Rho, a key regulator of cytoskeleton architecture, to control cell polarity and movement during development. Activation requires Dvl-Rho complex formation, an assembly mediated by this gene product, which is thought to function as a scaffolding protein. Evidence of alternative splicing has been observed for this gene but the full-length nature of these variants has not been determined. |
| <b>Product Categories/Family for anti-DAAM1 antibody</b>   | <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>References</b>                                          | Higashi, T., et al. J. Biol. Chem. 283(13):8746-8755(2008)<br>Liu, W., et al. Proc. Natl. Acad. Sci. U.S.A. 105(1):210-215(2008)<br>Yamashita, M., et al. Genes Cells 12(11):1255-1265(2007)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">395394053</a>                                                                         |
| <b>NCBI GeneID</b>                      | <a href="#">23002</a>                                                                             |
| <b>NCBI Accession #</b>                 | <a href="#">NP_001257449.1</a> ; <a href="#">NP_055807.1</a>                                      |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_001270520.1</a>                                                                    |
| <b>UniProt Accession #</b>              | <a href="#">Q9Y4D1</a> ; <a href="#">Q86U34</a> ; <a href="#">Q8N1Z8</a> ; <a href="#">Q8TB39</a> |
| <b>NCBI Official Full Name</b>          | disheveled-associated activator of morphogenesis 1 isoform 2                                      |
| <b>NCBI Official Synonym Full Names</b> | dishevelled associated activator of morphogenesis 1                                               |
| <b>NCBI Official Symbol</b>             | DAAM1                                                                                             |
| <b>NCBI Protein Information</b>         | disheveled-associated activator of morphogenesis 1                                                |
| <b>UniProt Protein Name</b>             | Disheveled-associated activator of morphogenesis 1                                                |
| <b>UniProt Gene Name</b>                | <b>DAAM1</b>                                                                                      |
| <b>UniProt Synonym Gene Names</b>       | KIAA0666                                                                                          |
| <b>UniProt Entry Name</b>               | 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.