

**Phospho-DAAM1(T361) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3550a****Specification**

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**Phospho-DAAM1(T361) Antibody Blocking peptide - Product Information**Primary Accession [O9Y4D1](#)**Phospho-DAAM1(T361) Antibody Blocking peptide - Additional Information****Gene ID** 23002**Other Names**

Disheveled-associated activator of morphogenesis 1, DAAM1, KIAA0666

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP3550a](/products/AP3550a) was selected from the region of human Phospho-DAAM1-pT361. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Phospho-DAAM1(T361) Antibody Blocking peptide - Protein Information****Name** DAAM1**Synonyms** KIAA0666**Function**

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. Involved in building functional cilia (PubMed: [16630611](http://www.uniprot.org/citations/16630611), PubMed: [17482208](http://www.uniprot.org/citations/17482208)). Involved in the organization of the subapical actin network in multiciliated epithelial cells (By similarity). Together with DAAM2, required for myocardial maturation and sarcomere assembly (By similarity). During cell division, may regulate RHOA activation that signals spindle orientation and chromosomal segregation.

**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton, cilium basal body. Note=Perinuclear. Colocalizes with RHOA and KANK1 around centrosomes. {ECO:0000250|UniProtKB:Q8BPM0}

**Tissue Location**

Expressed in all tissues examined.

**Phospho-DAAM1(T361) Antibody Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**Phospho-DAAM1(T361) Antibody Blocking peptide - Images****Phospho-DAAM1(T361) Antibody Blocking peptide - Background**

Functions of the cell cortex, including motility, adhesion, and cytokinesis, are mediated by the reorganization of the actin cytoskeleton. Recent evidence suggests a role for the Formin homology (FH) proteins in these processes. DAAM1 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 DAAM1, which is thought to function as a scaffolding protein.

**Phospho-DAAM1(T361) Antibody Blocking peptide - References**

Liu,W., Proc. Natl. Acad. Sci. U.S.A. 105 (1), 210-215 (2008) Yamashita,M., Genes Cells 12 (11), 1255-1265 (2007) Lu,J., J. Mol. Biol. 369 (5), 1258-1269 (2007)