

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

---

**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 <a href="/products/AP3550a">AP3550a</a> 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:<a href="http://www.uniprot.org/citations/16630611" target="\_blank">16630611</a>, PubMed:<a href="http://www.uniprot.org/citations/17482208" target="\_blank">17482208</a>). 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).

**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton, cilium basal body. Note=Perinuclear

**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)