

**Product Name: DAAM1 Rabbit Polyclonal Antibody**  
**Catalog #: APRab09773**



## Summary

<b>Production Name</b>	DAAM1 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	DAAM1 KIAA0666
<b>Alternative Names</b>	Disheveled-associated activator of morphogenesis 1
<b>Gene ID</b>	23002.0
<b>SwissProt ID</b>	Q9Y4D1.Synthetic peptide from human protein at AA range: 400-500

## Application

<b>Dilution Ratio</b>	WB 1:500-2000, ELISA 1:10000-20000
<b>Molecular Weight</b>	123kD

## Background

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

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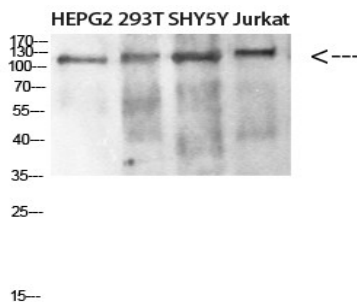


by this gene contains two FH domains and belongs to a novel FH protein subfamily implicated in cell polarity. A key regulator of cytoskeletal architecture, the small GTPase Rho, is activated during development by Wnt/Fz signaling to control cell polarity and movement. The protein encoded by this gene 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 domain: The C-terminal DAD domain may participate in intramolecular interactions with the N-terminus., 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., similarity: Belongs to the formin homology family., similarity: Contains 1 DAD (diaphanous autoregulatory) domain., similarity: Contains 1 FH1 (formin homology 1) domain., similarity: Contains 1 FH2 (formin homology 2) domain., similarity: Contains 1 GBD/FH3 (Rho GTPase-binding/formin homology 3) domain., subcellular location: Perinuclear., subunit: Homodimer. Interacts with CIP4, FNBP1 and FNBP1L. Interacts with the SH3 domains of Abl, BTK, endophilin, spectrin and SRC. Binds specifically to GTP-bound CDC42 and RHOA., tissue specificity: Expressed in all tissues examined.,

## Research Area

WNT; WNT-T CELL

## Image Data



Western blot analysis of SW480 MCF7 lysate, antibody was diluted at 500. Secondary antibody was diluted at 1:20000

## Note

For research use only.