



## Rabbit Anti-DAAM1 antibody

SL4099R

<b>Product Name:</b>	DAAM1
<b>Chinese Name:</b>	形态发生紊乱关联激活因子1抗体
<b>Alias:</b>	DAAM 1; DAAM-1; Dishevelled associated activator of morphogenesis 1; FLJ41657; KIAA0666; DAAM1_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	123kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human DAAM1:101-200/1078
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	DAAM1 (Dishevelled associated activator of morphogenesis 1) is a diaphanous-related formin which binds to dishevelled (Dvl) and Rho, and mediates Wnt-induced Dvl-Rho complex assembly. It is an essential component of noncanonical Wnt signaling. DAAM1 also communicates with Rho GTPases, CIP4 and Src in the regulation of the signalling pathways that co-ordinate the dynamics of the actin filament system. DAAM1 may be a coordinator of endocytosis and cytoskeletal remodeling.

**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.

**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.

**Subcellular Location:**

Cytoplasm. Note=Perinuclear.

**Tissue Specificity:**

Expressed in all tissues examined.

**Similarity:**

Belongs to the formin homology family.

Contains 1 DAD (diaphanous autoregulatory) domain.

Contains 1 FH1 (formin homology 1) domain.

Contains 1 FH2 (formin homology 2) domain.

Contains 1 GBD/FH3 (Rho GTPase-binding/formin homology 3) domain.

**SWISS:**

Q9Y4D1

**Gene ID:**

23002

**Database links:**

[Entrez Gene: 23002](#)Human

[Entrez Gene: 208846](#)Mouse

[Omim: 606626](#)Human

[SwissProt: Q9Y4D1](#)Human

[SwissProt: Q8BPM0](#)Mouse

[Unigene: 654934](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

DAAM1是蓬乱蛋白相关形态形成活化因子1或称形态发生紊乱关联激活因子1, 为形成素蛋白家族的成员。Daam1是WNT/PCP通路的组成因子之一,参与细胞的内吞功能,可调节Cytoskeleton的形成与构建.

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