

DAAM1 Polyclonal Antibody

Catalog No :	YT5902
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	DAAM1
Fields :	>>Wnt signaling pathway
Gene Name :	DAAM1 KIAA0666
Protein Name :	Disheveled-associated activator of morphogenesis 1
Human Gene Id :	23002
Human Swiss Prot No :	Q9Y4D1
Mouse Gene Id :	208846
Mouse Swiss Prot No :	Q8BPM0
Immunogen :	Synthetic peptide from human protein at AA range: 400-500
Specificity :	The antibody detects endogenous DAAM1
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 123kD

Cell Pathway : WNT;WNT-T CELL

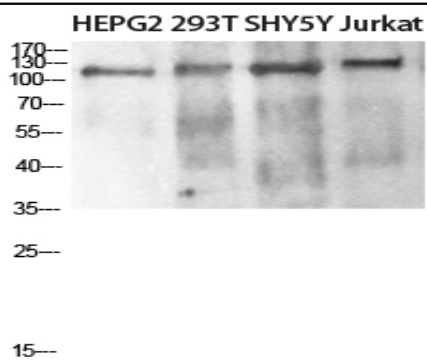
Background : Cell motility, adhesion, cytokinesis, and other functions of the cell cortex are mediated by reorganization of the actin cytoskeleton and several formin homology (FH) proteins have been associated with these processes. The protein encoded by this gene contains two FH domains and belongs 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

Function : 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: Ex

Subcellular Location : Cytoplasm . Cytoplasm, cytoskeleton, cilium basal body . Perinuclear.

Expression : Expressed in all tissues examined.

Products Images



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Western blot analysis of SW480 MCF7 lysate, antibody was diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000