



Mouse anti-Human DAAM1 polyclonal antibody (DPAB-DC1027)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 proteins.
Immunogen	DAAM1 (NP_055807, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is MAPRKRGGRGISFIFCCFRNNNDHPEITYRLRNDNFALQTMEPALPMPPVEELDVMFSEL VDELDLTDKHREAMFALPAEKKWQIYCSKKKDQEENKGATSWPEFYIDQL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DAAM1 dishevelled associated activator of morphogenesis 1 [Homo sapiens (human)]
Official Symbol	DAAM1
Synonyms	DAAM1; dishevelled associated activator of morphogenesis 1; disheveled-associated activator of morphogenesis 1;
Entrez Gene ID	23002
Protein Refseq	NP_001257449
UniProt ID	Q9Y4D1
Chromosome Location	14q23.1
Pathway	Noncanonical Wnt signaling pathway; Signal Transduction; Wnt Signaling Pathway NetPath; Wnt signaling pathway
Function	Rho GTPase binding; actin binding; identical protein binding; protein binding
