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Anti-DAAM1 (N-terminal region) Antibody

Catalog # AN1739

Product Information

Application	WB, ICC
Primary Accession	Q9Y4D1
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG2a
Clone Names	5D3
Calculated MW	123473

Additional Information

Gene ID	23002
Other Names	formin, Disheveled morphogenesis
Target/Specificity	Formins include several families of proteins that regulate actin cytoskeletal dynamics via two conserved formin homology domains, FH1 and FH2. The FH1 region contains poly-proline stretches that promote interactions with profilin. The FH2 domain, located C-terminally to the FH1 domain, is highly conserved in formin proteins and possesses actin nucleation and polymerization activities. Through cooperation of FH1 and FH2, formins construct actin-based structures comprising linear, unbranched filaments that are used in stress fibers, actin cables, microspikes, and contractile rings. Dishevelled associated activator of morphogenesis proteins (DAAM1 and DAAM2) are formin family members involved in WNT signaling. DAAM1 is ubiquitously expressed and may be important for regulating actin dynamics in several cell types. DAAM1 can bind RhoGTPase and dishevelled in WNT signaling pathways, and interacts with the SH3 domains of cell signaling mediators, such as c-Src.
Dilution	WB~~1:1000 ICC~~N/A
Format	Antigen Affinity Purified
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-DAAM1 (N-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Formins include several families of proteins that regulate actin cytoskeletal dynamics via two conserved formin homology domains, FH1 and FH2. The FH1 region contains poly-proline stretches that promote

interactions with profilin. The FH2 domain, located C-terminally to the FH1 domain, is highly conserved in formin proteins and possesses actin nucleation and polymerization activities. Through cooperation of FH1 and FH2, formins construct actin-based structures comprising linear, unbranched filaments that are used in stress fibers, actin cables, microspikes, and contractile rings. Dishevelled associated activator of morphogenesis proteins (DAAM1 and DAAM2) are formin family members involved in WNT signaling. DAAM1 is ubiquitously expressed and may be important for regulating actin dynamics in several cell types. DAAM1 can bind RhoGTPase and dishevelled in WNT signaling pathways, and interacts with the SH3 domains of cell signaling mediators, such as c-Src.