

Product datasheet for **TA389111**

DAAM1 Mouse Antibody [Clone ID: 5D3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5D3
Applications:	ICC, WB
Recommended Dilution:	WB: 1:500 ICC: 1:200
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG2a
Immunogen:	Clone 5D3 was generated from a recombinant protein that included amino acid residues from the N-terminal region of human DAAM1. This sequence has less than 50% homology to the N-terminal region of DAAM2.
Specificity:	The antibody detects a 125 kDa* protein corresponding to the apparent molecular mass of DAAM1 on SDS-PAGE immunoblots of human A431, K562, and mouse C2C12 cells.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	125
Database Link:	Q9Y4D1



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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.

Note:

Protein G purified tissue culture supernatant.