

DAAM1-T361 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5439a**Specification**

DAAM1-T361 Antibody (N-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	O9Y4D1
Other Accession	NP_055807.1
Reactivity	Human, Hamster
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	341-370

DAAM1-T361 Antibody (N-term) - Additional Information**Gene ID** 23002**Other Names**

Disheveled-associated activator of morphogenesis 1, DAAM1, KIAA0666

Target/Specificity

This DAAM1-T361 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 341-370 amino acids from the N-terminal region of human DAAM1-T361.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DAAM1-T361 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DAAM1-T361 Antibody (N-term) - Protein Information**Name** DAAM1

Synonyms KIAA0666

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. Involved in building functional cilia (PubMed:[16630611](#), PubMed:[17482208](#)). Involved in the organization of the subapical actin network in multiciliated epithelial cells (By similarity). Together with DAAM2, required for myocardial maturation and sarcomere assembly (By similarity). During cell division, may regulate RHOA activation that signals spindle orientation and chromosomal segregation.

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, cilium basal body. Note=Perinuclear. Colocalizes with RHOA and KANK1 around centrosomes. {ECO:0000250|UniProtKB:Q8BPM0}

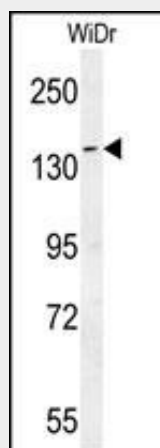
Tissue Location

Expressed in all tissues examined.

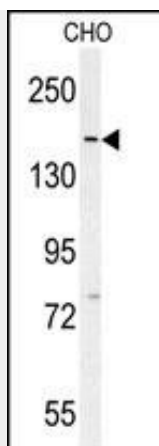
DAAM1-T361 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

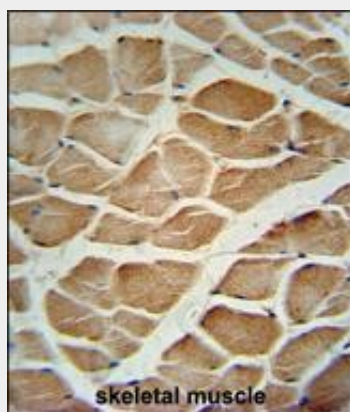
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DAAM1-T361 Antibody (N-term) - Images

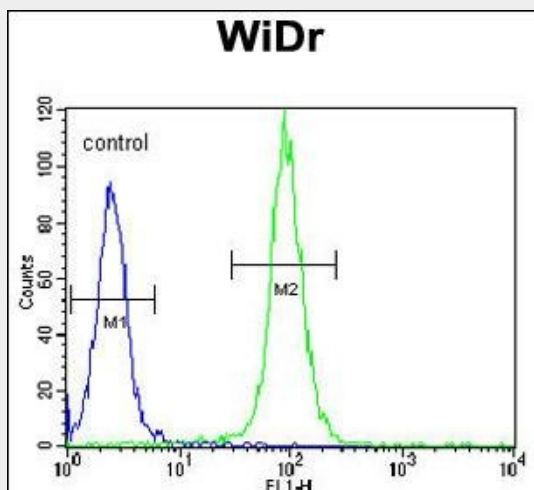
DAAM1-T361 Antibody (N-term) (Cat.#AP5439a) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the DAAM1 antibody detected the DAAM1 protein (arrow).



DAAM1-T361 Antibody (N-term) (Cat.#AP5439a) western blot analysis in CHO cell line lysates (35ug/lane). This demonstrates the DAAM1 antibody detected the DAAM1 protein (arrow).



DAAM1-T361 Antibody (N-term) (Cat.#AP5439a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DAAM1-T361 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



DAAM1-T361 Antibody (N-term) (Cat. #AP5439a) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

DAAM1-T361 Antibody (N-term) - Background

Functions of the cell cortex, including motility, adhesion, and cytokinesis, are mediated by the reorganization of the actin cytoskeleton and recent evidence suggests a role for the Formin homology (FH) proteins in these processes. The protein encoded by this gene contains FH domains and belongs to a novel FH protein subfamily implicated in cell polarity. Wnt/Fz signaling activates the small GTPase Rho, a key regulator of cytoskeleton architecture, to control cell polarity and movement during development. Activation requires Dvl-Rho complex formation, an assembly mediated by this gene product, which is thought to function as a scaffolding protein. Evidence of alternative splicing has been observed for this gene but the full-length nature of these variants has not been determined.

DAAM1-T361 Antibody (N-term) - References

Higashi, T., et al. J. Biol. Chem. 283(13):8746-8755(2008)
Liu, W., et al. Proc. Natl. Acad. Sci. U.S.A. 105(1):210-215(2008)
Yamashita, M., et al. Genes Cells 12(11):1255-1265(2007)