

Mouse Twinfilin-1 Monoclonal Antibody | anti-TWF1 antibody

Anti-Twinfilin-1 Mouse mAb

CATALOG # AAA14123	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Twinfilin-1; Monoclonal Antibody; Anti-Twinfilin-1 Mouse mAb; A6; PTK9; MGC23788; MGC41876; anti-TWF1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5F10-H11-D5
Form/Format	Purified antibody in PBS with 0.05% sodium azide
Sequence Length	357
Applicable Applications for anti-TWF1 antibody	WB (Western Blot)
Immunogen	Purified recombinant fragment of human TWF1 (AA: 335-384) expressed in E Coli.
Sequence Similarities	Contains 2 ADF-H domains.
Subunit Structure	Interacts with G-actin; ADP-actin form and capping protein (CP). May also be able to interact with TWF2 and phosphoinositides, PI (4, 5)P2. When bound to PI (4, 5)P2, it is down-regulated (By similarity).
Subcellular Location	Cytoplasm; Cytoskeleton
Antibody diluents	5% w/v nonfat dry milk, 1 x PBS, 0.1% Tween-20
Preparation and Storage	Aliquot and store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



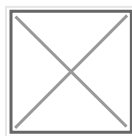
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using TWF1 mouse mAb with DAB staining.



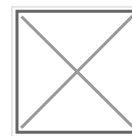
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using TWF1 mouse mAb with DAB staining.



FCM (Flow Cytometry)

Flow cytometric analysis of HeLa cells using TWF1 mouse mAb (green) and negative control (red).



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using TWF1 mouse mAb (green). Blue

**WB (Western Blot)**

Western blot analysis using TWF1 mAb against HEK293 (1) and TWF1 (AA)

**WB (Western Blot)**

Western blot detection of Twinfilin-1 in MCF7, C6, 3T3 and Hela cell lysates using Twinfilin-1 mouse mAb (1:5000 diluted). Predicted band size: 40kDa. Observed band size: 40kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TWF1 antibody

Entrez Summary: This gene encodes twinfilin, an actin monomer-binding protein conserved from yeast to mammals. Studies of the mouse counterpart suggest that this protein may be an actin monomer-binding protein, and its localization to cortical G-actin-rich structures may be regulated by the small GTPase RAC1.

UniPort Summary Function: Actin-binding protein involved in motile and morphological processes. Inhibits actin polymerization, likely by sequestering G-actin. By capping the barbed ends of filaments, it also regulates motility. Seems to play an important role in clathrin-mediated endocytosis and distribution of endocytic organelles (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	334848198
NCBI GeneID	5756
NCBI Accession #	NP_001229326.1
NCBI GenBank Nucleotide #	NM_001242397.1
UniProt Accession #	Q12792; Q59G07; Q5U0B1; Q6FHJ1; Q6FHL6; Q6NUK9; Q86XL6; Q8TCD3; A8K5A8; B3KXS6; B4DLX9
Molecular Weight	40kDa
NCBI Official Full Name	twinfilin-1 isoform 1
NCBI Official Synonym Full Names	twinfilin actin binding protein 1
NCBI Official Symbol	TWF1
NCBI Official Synonym Symbols	A6; PTK9
NCBI Protein Information	twinfilin-1
UniProt Protein Name	Twinfilin-1
UniProt Gene Name	TWF1
UniProt Synonym Gene Names	PTK9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/twinfilin-1-antibody-clone-5f10-h11-d5-western-blot-elisa/14123>