

alpha Actinin 4 Monoclonal Antibody | anti-ACTN4 antibody

alpha Actinin 4 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314305	Recombinant Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot

PRODUCT SYNONYMS

alpha Actinin 4; Monoclonal Antibody; alpha Actinin 4 Rabbit mAb; FSGS; FSGS1; ACTININ-4; anti-ACTN4 antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S06-3D7
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-ACTN4 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human alpha Actinin 4
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of alpha Actinin 4 (green) in HeLa cells using alpha Actinin 4 Rabbit mAb at dilution 1/200, and DAPI (blue)



WB (Western Blot)

Western blot detection of alpha Actinin 4 in K562, Rat Brain, C6, 3T3, HeLa cell lysates using alpha Actinin 4 Rabbit mAb (1:1000 diluted). Predicted band size: 105kDa. Observed band size: 105kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN4 antibody

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein (Probable). Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation (PubMed:15772161). Involved in tight junction assembly in epithelial cells probably through interaction with MICALL2. Links MICALL2 to the actin cytoskeleton and recruits it to the tight junctions. May also function as a transcriptional coactivator, stimulating transcription mediated by the nuclear hormone receptors PPARG and RARA (PubMed:22351778).

NCBI AND UNIPROT INFORMATION

NCBI GI #	13123943
NCBI GeneID	81
UniProt Accession #	O43707; O76048; A4K467; D6PXX4
Molecular Weight	911
NCBI Official Full Name	Alpha-actinin-4
NCBI Official Synonym Full Names	actinin, alpha 4
NCBI Official Symbol	ACTN4
NCBI Official Synonym Symbols	FSGS; FSGS1; ACTININ-4
NCBI Protein Information	alpha-actinin-4; actinin alpha4 isoform; non-muscle alpha-actinin 4; F-actin cross-linking protein; focal segmental glomerulosclerosis 1
UniProt Protein Name	Alpha-actinin-4
UniProt Gene Name	ACTN4
UniProt Entry Name	ACTN4_HUMAN

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/alpha-actinin-4-antibody-clone-s06-3d7-immunofluorescence-western-blot-elisa/314305>