

Rabbit anti-Human, Mouse alpha Actinin 4/ACTN4 Polyclonal Antibody | anti-ACTN4 antibody

Rabbit anti-alpha Actinin 4/ACTN4 Antibody, Affinity Purified

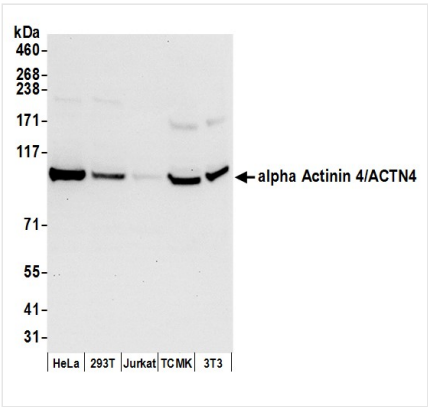
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212923	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

alpha Actinin 4/ACTN4; Polyclonal Antibody; Rabbit anti-alpha Actinin 4/ACTN4 Antibody; Affinity Purified; focal segmental glomerulosclerosis 1; non-muscle alpha-actinin 4; ACTININ-4; FSGS; alpha-actinin-4; FSGS1; Alpha-actinin-4; actinin alpha 4; anti-ACTN4 antibody

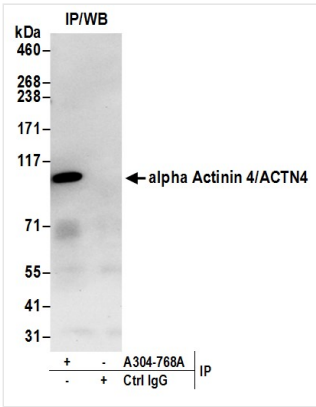
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ACTN4 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Bovine
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human and mouse alpha Actinin 4/ACTN4 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-alpha Actinin 4/ACTN4 antibody AAA212923 (lot AAA212923-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human alpha Actinin 4/ACTN4 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-alpha Actinin 4/ACTN4 antibody AAA212923 (lot AAA212923-1) used for IP at 6 ug per reaction. For blotting immunoprecipitated alpha Actinin 4/ACTN4, AAA212923 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN4 antibody	Alpha Actinin 4 /ACTN4 is an F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein (Probable). It is 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). It is involved in tight junction assembly in epithelial cells probably through interaction with MICALL2. It links MICALL2 to the actin cytoskeleton and recruits it to the tight junctions (By similarity). alpha Actinin 4 /ACTN4 may also function as a transcriptional coactivator, stimulating transcription mediated by the nuclear hormone receptors PPARG and RARA (PubMed:22351778) [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/O43707].
Product Categories/Family for anti-ACTN4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	12025678
NCBI GeneID	81
NCBI Accession #	NP_004915.2
NCBI GenBank Nucleotide #	NM_004924.4
UniProt Accession #	O43707; O76048; A4K467; D6PXX4
Molecular Weight	105kDa
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

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/polyclonal/alpha-actinin-4-actn4-antibody-immunoprecipitation-western-blot-elisa/212923>