

Mouse ACTN4 Monoclonal Antibody | anti-ACTN4 antibody

ACTN4 (Alpha-actinin-4, Non-muscle alpha-actinin 4, F-actin Cross-linking Protein) (PE)

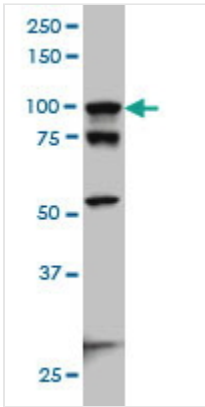
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25598	Mouse	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

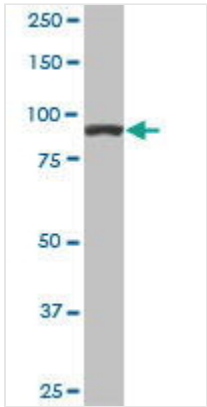
ACTN4; Monoclonal Antibody; ACTN4 (Alpha-actinin-4; Non-muscle alpha-actinin 4; F-actin Cross-linking Protein) (PE); anti-ACTN4 antibody

PRODUCT SPECIFICATIONS

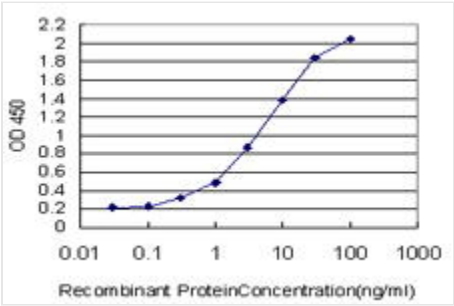
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4D10
Specificity	Recognizes human ACTN4. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-ACTN4 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 20ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa592-701 from human ACTN4 (NP_004915) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KEAQRIAESNHIKLSGSNPYTTVPQIINSKWEKVQQLVPKRDHALLEEQSKQQSNEHLRRQFASQANVVGWPWIQTKMEEIGRISIEMNGTLEDQLSHLKQ
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, the original vial prior to removing the cap.



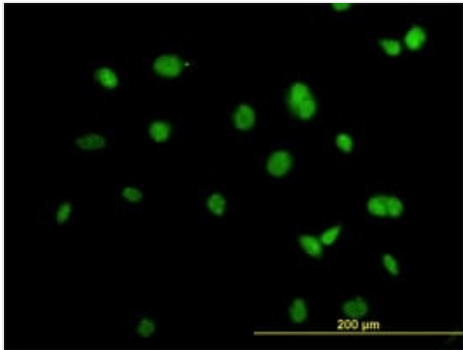
WB (Western Blot)
ACTN4 monoclonal antibody Western Blot analysis of ACTN4 expression in HeLa NE.



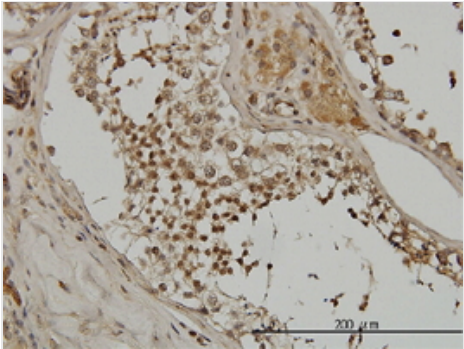
WB (Western Blot)
ACTN4 monoclonal antibody Western Blot analysis of ACTN4 expression in NIH/3T3.



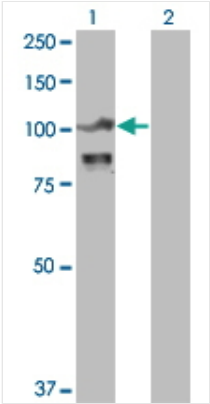
Application Data
Detection limit for recombinant GST tagged ACTN4 is ~0.1ng/ml as a capture antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to ACTN4 on HeLa cell. [antibody concentration 20ug/ml].



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to ACTN4 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3ug/ml].



WB (Western Blot)
Western Blot analysis of ACTN4 expression in transfected 293T cell line by ACTN4 monoclonal antibody. Lane 1: ACTN4 transfected lysate (104.9kD). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ACTN4 antibody	Antibodies; Actin
References	1. RNAi-mediated down-regulation of alpha-actinin-4 decreases invasion potential in oral squamous cell carcinoma. Yamada S, Yanamoto S, Yoshida H, Yoshitomi I, Kawasaki G, Mizuno A, Nemoto TK.Int J Oral Maxillofac Surg. 2009 Nov 11.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12025678
NCBI GeneID	81
NCBI Accession #	NP_004915
NCBI GenBank Nucleotide #	NM_004924
UniProt Accession #	O43707; O76048; A4K467; D6P XK4
Molecular Weight	59,579 Da
NCBI Official Full Name	alpha-actinin-4 isoform 1
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
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/actn4-antibody-clone-4d10-immunofluorescence-immunohistochemistry-western-blot-elisa/25598>