

Rabbit anti-Human ACTN4 Polyclonal Antibody | anti-ACTN4 antibody

ACTN4 Antibody (C-term)

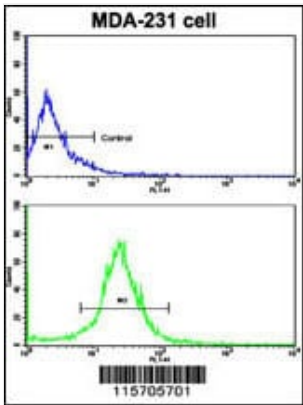
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286904	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

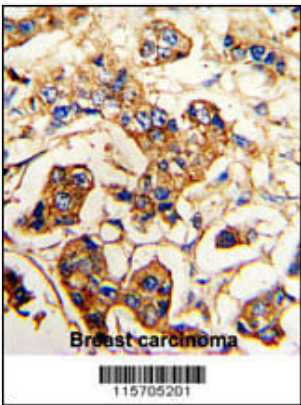
ACTN4; Polyclonal Antibody; ACTN4 Antibody (C-term); Alpha-actinin-4; F-actin cross-linking protein; Non-muscle alpha-actinin 4; anti-ACTN4 antibody

PRODUCT SPECIFICATIONS

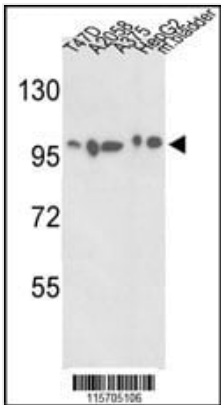
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ACTN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 785-813 amino acids from the C-terminal region of human ACTN4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	785-813
Sequence Length	911
Applicable Applications for anti-ACTN4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of MDA-231 cells using ACTN4 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma reacted with ACTN4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ACTN4 Antibody (C-term) in T47D, A2058, A375, HepG2 cell line and mouse bladder tissue lysates (35ug/lane). ACTN4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN4 antibody	Alpha actinins belong to the spectrin superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This protein is a nonmuscle, alpha actinin isoform which is concentrated in the cytoplasm, and is thought to be involved in metastatic processes. Mutations in the gene encoding this protein have been associated with focal and segmental glomerulosclerosis.
Product Categories/Family for anti-ACTN4 antibody	Cancer; Metabolism; Signal Transduction
References	Kikuchi, S., Clin. Cancer Res. 14 (17), 5348-5356 (2008) Barbolina, M.V., Lab. Invest. 88 (6), 602-614 (2008) Kimura, M., Intern. Med. 47 (12), 1099-1106 (2008)

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; D6P XK4
Molecular Weight	104854
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
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://www.aaabiotech.com/polyclonal/actn4-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286904>