

Rabbit Alpha-actin-3 Polyclonal Antibody | anti-ACTG2 antibody

Anti-Alpha-actin-3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA17820	Rabbit	Human, Mouse, Rat, Bovine, Chicken, Rabbit	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

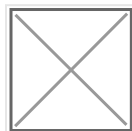
PRODUCT SYNONYMS

Alpha-actin-3; Polyclonal Antibody; Anti-Alpha-actin-3 Antibody; ACTA3; ACTL3; ACTSG; Actin; gamma-enteric smooth muscle; Gamma-2-actin; Smooth muscle gamma-actin; anti-ACTG2 antibody

PRODUCT SPECIFICATIONS

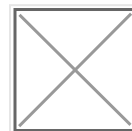
Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Rabbit
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Alpha-actin-3 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	333
Applicable Applications for anti-ACTG2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: (1/500 - 1/1000) IHC: (1/100 - 1/200) IF/ICC: (1/100 - 1/500)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Alpha-actin-3. The exact sequence is proprietary.
Preparation and Storage	Upon receipt aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of Alpha-actin-3 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of Alpha-actin-3 staining in human muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of Alpha-actin-3 expression in Hela (A), H446 (B), mouse lung (C), rat lung (D) whole cell lysates. (Predicted band size: 41 kD; Observed band size: 42 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-ACTG2 antibody

Rabbit polyclonal antibody to Alpha-actin-3

NCBI AND UNIPROT INFORMATION

NCBI GI #	315570273
NCBI GeneID	72
NCBI Accession #	NP_001186822.1
NCBI GenBank Nucleotide #	NM_001199893.1
UniProt Accession #	P63267; P12718; Q504R1; Q6FI22; B2R7E7; B4E315; D6W5H8; E9PG30
NCBI Official Full Name	actin, gamma-enteric smooth muscle isoform 2
NCBI Official Synonym Full Names	actin, gamma 2, smooth muscle, enteric
NCBI Official Symbol	ACTG2
NCBI Official Synonym Symbols	ACT; ACTE; VSCM; ACTA3; ACTL3; ACTSG
NCBI Protein Information	actin, gamma-enteric smooth muscle; alpha-actin-3; actin-like protein
UniProt Protein Name	Actin, gamma-enteric smooth muscle
UniProt Gene Name	ACTG2
UniProt Synonym Gene Names	ACTA3; ACTL3; ACTSG
UniProt Entry Name	ACTH_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/polyclonal/alpha-actin-3-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/17820>