

Rabbit ACTG1 Polyclonal Antibody | anti-ACTG1 antibody

ACTG1 Antibody (Center)

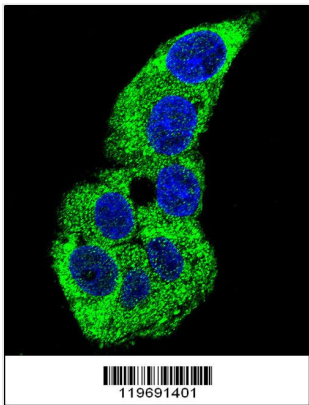
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290401	Rabbit	Human (Predicted Reactivity: C Elegans, Drosophila, Xenopus, Chicken, Bovine, Mouse, Rabbit, Rat, Zebrafish, Hamster, Monkey, Pig, Yeast)	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

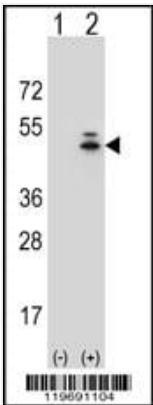
ACTG1; Polyclonal Antibody; ACTG1 Antibody (Center); Actin; cytoplasmic 2; Gamma-actin; N-terminally processed; ACTG; anti-ACTG1 antibody

PRODUCT SPECIFICATIONS

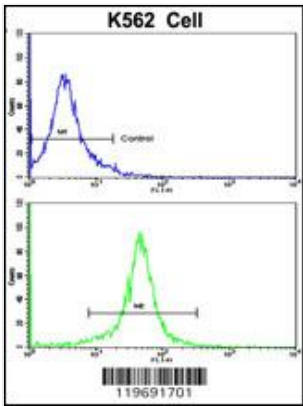
Host	Rabbit
Reactivity	Human (Predicted Reactivity: C Elegans, Drosophila, Xenopus, Chicken, Bovine, Mouse, Rabbit, Rat, Zebrafish, Hamster, Monkey, Pig, Yeast)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ACTG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-215 amino acids from the Central region of human ACTG1.
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	188-215
Sequence Length	375
Applicable Applications for anti-ACTG1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), 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.



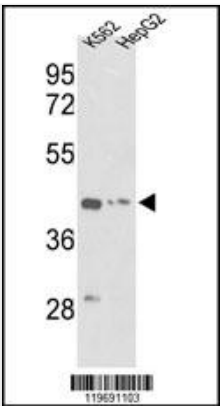
IF (Immunofluorescence)
Confocal immunofluorescent analysis of ACTG1 Antibody (Center) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of ACTG1 (arrow) using rabbit polyclonal ACTG1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ACTG1 gene.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of K562 cells using ACTG1 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of ACTG1 Antibody (Center) in K562, HepG2 cell line lysates (35ug/lane). ACTG1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTG1 antibody	Actins are highly conserved proteins that are involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 1, is a cytoplasmic actin found in nonmuscle cells.
Product Categories/Family for anti-ACTG1 antibody	Neuroscience; Signal Transduction
References	de Heer,A.M., Ann. Otol. Rhinol. Laryngol. 118 (5), 382-390 (2009) Mouilleron,S., EMBO J. 27 (23), 3198-3208 (2008) Liu,P., J Genet Genomics 35 (9), 553-558 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	316659409
NCBI GeneID	71
NCBI Accession #	NP_001186883.1; NP_001605.1
NCBI GenBank Nucleotide #	NM_001199954.1

UniProt Accession #	P63261 ; P02571 ; P14104 ; P99022 ; Q5U032 ; Q96E67 ; A8K7C2
Molecular Weight	41793
NCBI Official Full Name	actin, cytoplasmic 2
NCBI Official Synonym Full Names	actin gamma 1
NCBI Official Symbol	ACTG1
NCBI Official Synonym Symbols	ACT; ACTG; BRWS2; DFNA20; DFNA26; HEL-176
NCBI Protein Information	actin, cytoplasmic 2
UniProt Protein Name	Actin, cytoplasmic 2
UniProt Gene Name	ACTG1
UniProt Synonym Gene Names	ACTG
UniProt Entry Name	ACTG_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/actg1-antibody-immunofluorescence-flow-cytometry-western-blot-elisa/290401>