

Mouse ACTG1 / Gamma Actin Monoclonal Antibody | anti-ACTG1 antibody

Mouse Monoclonal [clone 2A3] (IgG2b) to Human ACTG1 / Gamma Actin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51914	Mouse	Chicken, Human, Mouse, Pig, Rabbit, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry, Immunohistochemistry

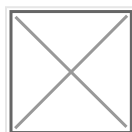
PRODUCT SYNONYMS

ACTG1 / Gamma Actin; Monoclonal Antibody; Mouse Monoclonal [clone 2A3] (IgG2b) to Human ACTG1 / Gamma Actin; Anti-ACTG1 / Gamma Actin Antibody (clone 2A3) IHC-plus; ACTG; Actin; gamma 1; BRWS2; Cytoskeletal gamma-actin; DFNA20; cytoplasmic 2; Gamma-actin; DFNA26; Human ACTG1; Gamma Actin; anti-ACTG1 antibody

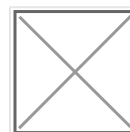
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Chicken, Human, Mouse, Pig, Rabbit, Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	2A3
Specificity	Does not cross react with other actin isoforms. Reacts with human, pig, rabbit, rat, mouse and chicken. The epitope recognized is highly conserved and the antibody is therefore expected to react with many other species.
Purity/Purification	Protein G Purified
Form/Format	PBS containing 0.09% sodium azide. Sourced in TCS.
Concentration	1 mg/ml (varies by lot)
Sequence Length	375
Applicable Applications for anti-ACTG1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Peptide comprising the N-terminal nonapeptide of gamma-cytoplasmic actin with an acetylated N-terminus (Ac-EEEIAALVI-COOH) coupled to keyhole limpet hemocyanin through the cysteine residue.
Immunogen	ACTG1 / Gamma Actin antibody was raised against peptide comprising the N-terminal nonapeptide of gamma-cytoplasmic actin with an acetylated N-terminus (Ac-EEEIAALVI-COOH) coupled to keyhole limpet hemocyanin through the cysteine residue.
Preparation and Storage	Long term: -20 degree C; Short term: +4 degree C. Avoid repeat freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Methanol fixed human dermal fibroblasts immunostained with 2A3 (1:500)



IHC (Immunohistochemistry)
Anti-ACTG1 / Gamma-Actin antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501887
NCBI GeneID	71
NCBI Accession #	NP_001605.1
NCBI GenBank Nucleotide #	NM_001614.3
UniProt Accession #	P63261; P02571; P14104; P99022; Q5U032; Q96E67; A8K7C2
Molecular Weight	41,793 Da
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; cytoskeletal gamma-actin; epididymis luminal protein 176
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/actg1-gamma-actin-antibody-clone-2a3-flow-cytometry-western-blot-immunohistochemistry-immunohistochemistry-elisa/51914>