

Rabbit Beta-actin Polyclonal Antibody | anti-ACTB antibody

Beta-actin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39477	Rabbit	Human, mouse, rat	Immunohistochemistry, Western Blot, ELISA

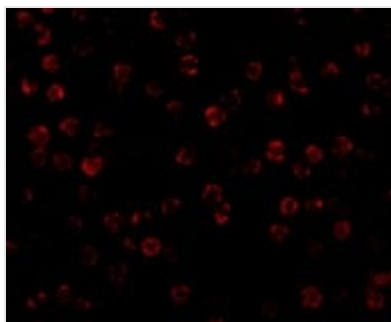
PRODUCT SYNONYMS

Beta-actin; Polyclonal Antibody; Beta-actin Antibody; Beta actin; b actin; (NT) a major cytoskeletal protein; N Terminus; anti-ACTB antibody

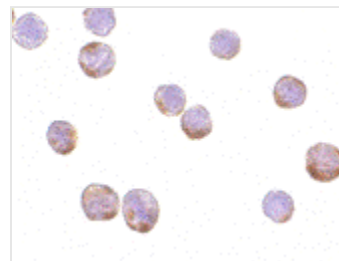
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Liquid. PBS containing 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	375
Applicable Applications for anti-ACTB antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	16 amino acid peptide from near the amino-terminus of human b-actin.
Blocking Peptide	Beta-actin Peptide
Positive Control 1	HeLa Lysate
Preparation and Storage	Store at 4 degree C for three months and -20 degree C. Stable for up to one year.

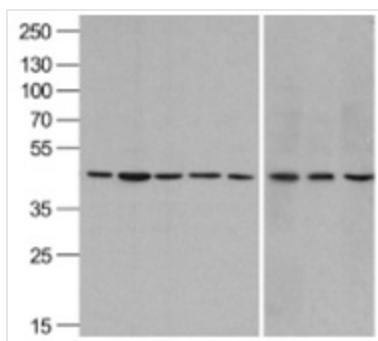
IMAGES


IF (Immunofluorescence)

Immunofluorescence of beta-Actin in HeLa cells with beta-Actin antibody at 2 µg/mL.


ICC (Immunocytochemistry)

Immunocytochemistry of Actin in HeLa cells with Actin antibody at 1 µg/mL.



WB (Western Blot)

Western blot analysis of beta-Actin in A431, Daudi, HepG2, HL60, Jurkat, Human brain, Mouse lung, and Chicken liver lysate with beta-Actin antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody	Actins are highly conserved proteins that are involved in cell motility, structure and integrity, processes that are crucial for tissue development and the development of organism. The actin cytoskeleton is one of the principal drivers of cell motility and is capable of responding to complex signaling cascades. Recent evidence suggests that it may play key roles in regulating apoptosis and aging. Beta actin is one of six different actin isoforms which have been identified. Like GAPDH, beta-actin is constitutively expressed at high levels in almost all tissues and cell lines making it ideal for use as a loading control marker in immunoblots.
References	* Lambrechts A, Van Troys, M and Ampe C. The actin cytoskeleton in normal and pathological cell motility. Int. J. Biochem. Cell Biol. 2004; 36:1890-909. * Gourlay CW and Ayscough KR. The actin cytoskeleton: a key regulator of apoptosis and ageing. Nat. Rev. 2005; 6:583-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12803203
NCBI GeneID	60
UniProt Accession #	P60709; P02570; P70514; P99021; Q11211; Q64316; Q75MN2; Q96B34; Q96HG5; Q1KLZ0; Q53G76; Q53G99; Q53GK6; Q562L3; Q562S0; Q9UE89; Q9UMN3; A0AUL6
Molecular Weight	41,737 Da
NCBI Official Full Name	Actin, beta
NCBI Official Synonym Full Names	actin, beta
NCBI Official Symbol	ACTB
NCBI Official Synonym Symbols	BRWS1; PS1TP5BP1
NCBI Protein Information	actin, cytoplasmic 1; beta cytoskeletal actin; PS1TP5-binding protein 1
UniProt Protein Name	Actin, cytoplasmic 1
UniProt Gene Name	ACTB
UniProt Entry Name	ACTB_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/polyclonal/beta-actin-antibody-immunohistochemistry-western-blot-elisa/39477>