

Mouse Beta-actin Monoclonal Antibody | anti-ACTB antibody

Beta-actin Antibody

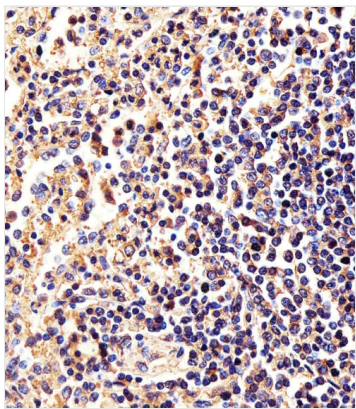
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283463	Mouse	Human, mouse, rat	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

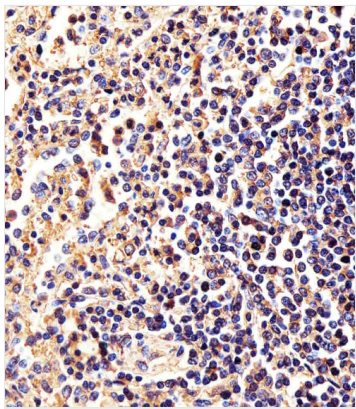
Beta-actin; Monoclonal Antibody; Beta-actin Antibody; Actin; cytoplasmic 1; N-terminally processed; ACTB; anti-ACTB antibody

PRODUCT SPECIFICATIONS

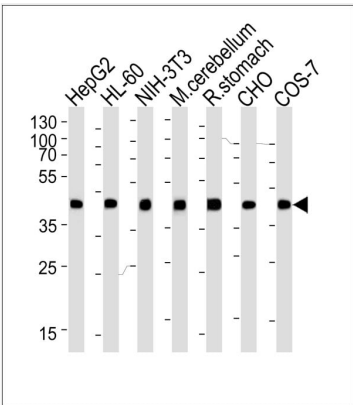
Host	Mouse
Reactivity	Human, mouse, rat
Clonality	Monoclonal
Clone Number	8H10D10
Specificity	ACTB recombinant protein is used to produce this monoclonal antibody.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.48 (varies by lot)
Sequence Length	375
Applicable Applications for anti-ACTB antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Crown Antibody	Yes
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.



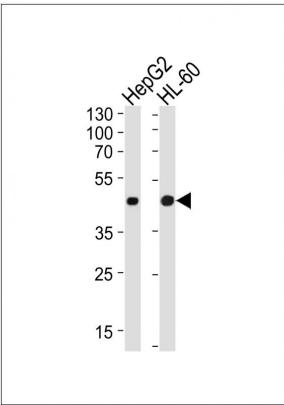
IHC (Immunohistochemistry)
Beta-actin Monoclonal Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human esophageal carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Beta-actin Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. spleen section using Beta-actin Antibody. AAA283463 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



WB (Western Blot)
Western blot analysis of lysates from HepG2, HL-60, mouse NIH/3T3 cell line, mouse cerebellum and rat stomach tissue lysate, CHO, COS-7 cell line lysate (from left to right), using Beta-actin Antibody. AAA283463 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L (HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



WB (Western Blot)
Western blot analysis of lysates from HepG2, HL-60 cell line (from left to right), using Beta-actin Antibody. AAA283463 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins.
Product Categories/Family for anti-ACTB antibody	Crown Antibodies; Cancer; Signal Transduction; Phospho Antibodies
References	Sex-specific proteome differences in the anterior cingulate cortex of schizophrenia. Martins-de-Souza D, et al. J Psychiatr Res, 2010 Apr 8. PMID 20381070. Identification of a hormone-regulated dynamic nuclear actin network associated with estrogen receptor alpha in human breast cancer cell nuclei. Ambrosino C, et al. Mol Cell Proteomics, 2010 Jun. PMID 20308691. Contribution of rearranged actin structures to the spread of Ectromelia virus infection in vitro. Boratynska A, et al. Acta Virol, 2010. PMID 20201613. Molecular mechanisms underlying nucleocytoplasmic shuttling of actinin-4. Kumeta M, et al. J Cell Sci, 2010 Apr 1. PMID 20197409. Tyrosine phosphorylation of cofilin at Y68 by v-Src leads to its degradation through ubiquitin-proteasome pathway. Yoo Y, et al. Oncogene, 2010 Jan 14. PMID 19802004.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501885
NCBI GeneID	60

NCBI Accession #	NP_001092.1
NCBI GenBank Nucleotide #	NM_001101.3
UniProt Accession #	P60709 ; P02570 ; P70514 ; P99021 ; Q11211 ; Q64316 ; Q75MN2 ; Q96B34 ; Q96HG5
Molecular Weight	41737
NCBI Official Full Name	actin, cytoplasmic 1
NCBI Official Synonym Full Names	actin, beta
NCBI Official Symbol	ACTB
NCBI Official Synonym Symbols	BRWS1; PS1TP5BP1
NCBI Protein Information	actin, cytoplasmic 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/beta-actin-antibody-clone-8h10d10-immunohistochemistry-western-blot-elisa/283463>