

Mouse anti-Human, Mouse ACTB Monoclonal Antibody | anti-ACTB antibody

ACTB (Actin, Cytoplasmic 1, Beta-actin) (AP)

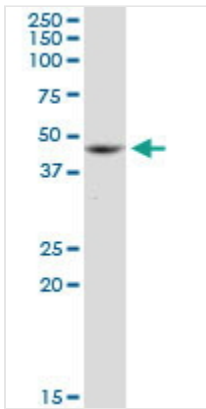
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24122	Mouse	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

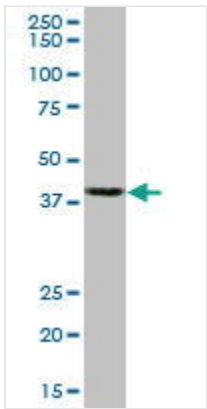
ACTB; Monoclonal Antibody; ACTB (Actin; Cytoplasmic 1; Beta-actin) (AP); anti-ACTB antibody

PRODUCT SPECIFICATIONS

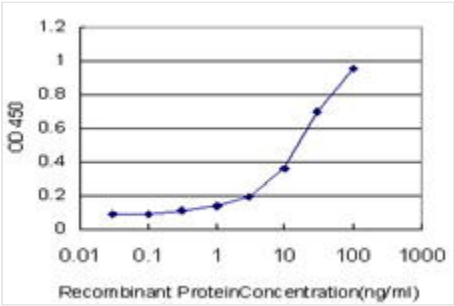
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3G4-F9
Specificity	Recognizes human ACTB. Species Crossreactivity: mouse.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-ACTB antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-375 from human ACTB (AAH01301) with GST tag. MW of the GST tag alone is 26kD.
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



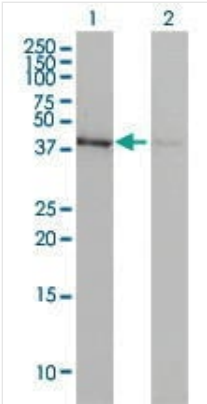
WB (Western Blot)
ACTB monoclonal antibody Western Blot analysis of ACTB expression in K-562.



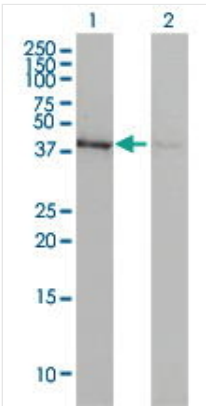
WB (Western Blot)
ACTB monoclonal antibody Western Blot analysis of ACTB expression in NIH/3T3.



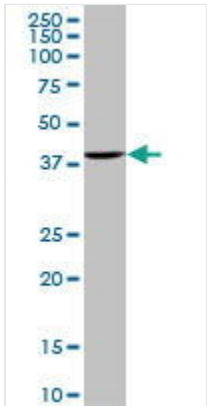
Application Data
Detection limit for recombinant GST tagged ACTB is ~1ng/ml as a capture antibody.



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to ACTB on formalin-fixed paraffin-embedded human smooth muscle. [antibody concentration 3ug/ml].



WB (Western Blot)
Western Blot analysis of ACTB expression in transfected 293T cell line by ACTB monoclonal antibody Lane 1: ACTB transfected lysate (42kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
ACTB monoclonal antibody Western Blot analysis of ACTB expression in Raw 264.7.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ACTB antibody Antibodies; Actin

References	1. Systematic proteomic analysis of human hepatocellular carcinoma cells reveals molecular pathways and networks involved in metastasis. Yu Y, Shen H, Yu H, Zhong F, Zhang Y, Zhang C, Zhao J, Li H, Chen J, Liu Y, Yang P. Mol Biosyst. 2011 Jun;7(6):1908-16. Epub 2011 Apr 6. 2. Identification of early transcripts related to male development in chicken embryos. Lin YP, Chen LR, Chen CF, Liou JF, Chen YL, Yang JR, Shiue YL. Theriogenology. 2010 Aug 20. 3. Anti-microtubule 'plinabulin' chemical probe KPU-244-B3 labeled both alpha- and beta-tubulin. Yamazaki Y, Sumikura M, Hidaka K, Yasui H, Kiso Y, Yakushiji F, Hayashi Y. Bioorg Med Chem. 2010 Mar 23. 4. 7beta-Hydroxy-epiandrosterone-mediated regulation of the prostaglandin synthesis pathway in human peripheral blood monocytes. Mee SL, Hennebert O, Ferrec C, Wulfert E, Morfin R. Steroids. 2008 Oct;73(11):1148-59. Epub 2008 May 14.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12654910
NCBI GeneID	60
Molecular Weight	41,737 Da
NCBI Official Full Name	Homo sapiens actin, beta, mRNA
NCBI Official Synonym Full Names	actin beta
NCBI Official Symbol	ACTB
NCBI Official Synonym Symbols	BRWS1; PS1TP5BP1
NCBI Protein Information	actin, cytoplasmic 1

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/actb-antibody-clone-3g4-f9-immunohistochemistry-western-blot-elisa/24122>