

Mouse beta-Actin Monoclonal Antibody | anti-ACTB antibody

Anti-beta-Actin antibody (monoclonal)

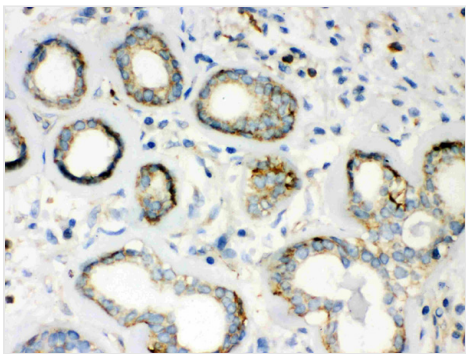
CATALOG # AAA11508	HOST Mouse	REACTIVITY Human, Mouse, Rat, Pig, Monkey, Rabbit, Chicken	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

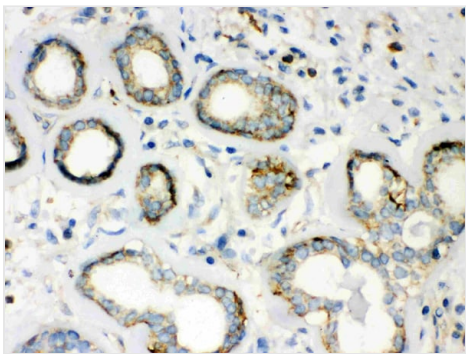
beta-Actin; Monoclonal Antibody; Anti-beta-Actin antibody (monoclonal); Actin; cytoplasmic 1; actin; beta; BRWS1; PS1TP5BP1; BETA-ACTIN; ACTIN; CYTOPLASMIC; 1; anti-ACTB antibody

PRODUCT SPECIFICATIONS

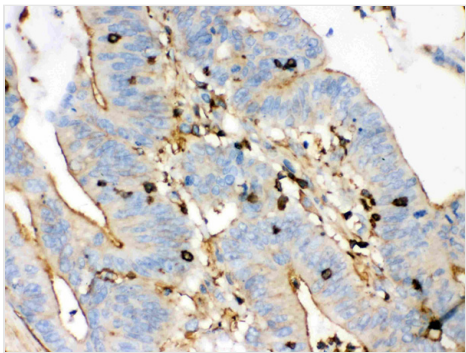
Host	Mouse
Reactivity	Human, Mouse, Rat, Pig, Monkey, Rabbit, Chicken
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	AC-15
Form/Format	Lyophilized; Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Sequence Length	375
Applicable Applications for anti-ACTB antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: Concentration: 0.05-0.01ug/mL; Tested Species: Human, Mouse, Rat, Pig, Monkey, Chicken Immunohistochemistry: Concentration: 0.5-1ug/mL; Tested Species: Human, Mouse, Rat; Antigen Retrieval: By Heat Other applications have not been tested. Optimal dilutions should be determined by end users
Immunogen	Slightly modified ?-cytoplasmic actin N-terminal peptide, Ac-Asp-Asp-Asp-Ile-Ala-Ala-Leu-Val-Ile-Asp-Asn-Gly-Ser-Gly-Lys, conjugated to KLH.
Reconstitution	Add 1 mL of PBS buffer will yield a concentration of 100ug/mL
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



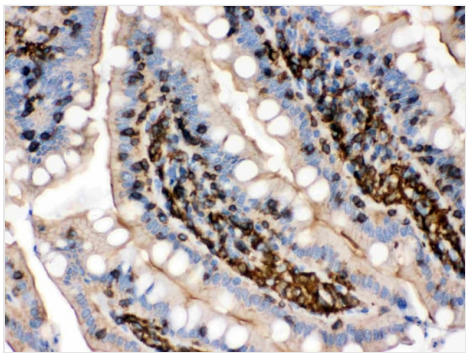
IHC (Immunohistochemistry)
Anti-beta-Actin antibody (monoclonal), AAA11508, IHC(P)IHC(P): Human Mammary Cancer Tissue



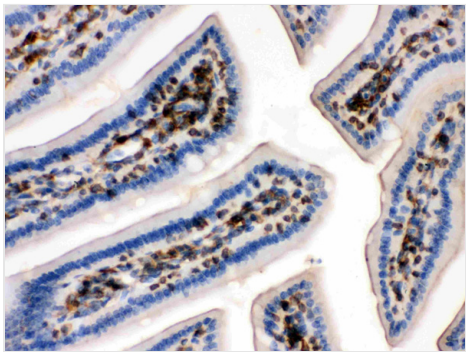
IHC (Immunohistochemistry)
Anti-beta-Actin antibody (monoclonal), AAA11508, IHC(P)IHC(P): Human Lung Cancer Tissue



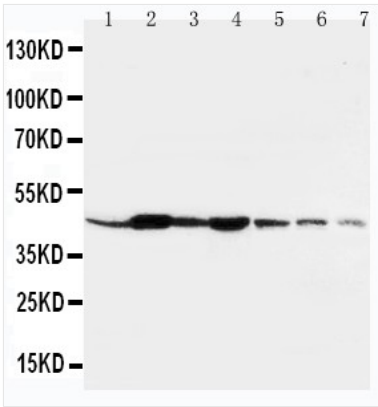
IHC (Immunohistochemistry)
Anti-beta-Actin antibody (monoclonal), AAA11508, IHC(P)IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemistry)
Anti-beta-Actin antibody (monoclonal), AAA11508, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti-beta-Actin antibody (monoclonal), AAA11508, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
Anti-beta-Actin antibody (monoclonal), AAA11508, Western blotting
Lane 1: Rat Liver Tissue Lysate
Lane 2: Rat Spleen Tissue Lysate
Lane 3: Rat Brain Tissue Lysate
Lane 4: Rat Kidney Tissue Lysate
Lane 5: HELA Cell Lysate
Lane 6: SMMC Cell

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody

Description: Mouse IgG monoclonal antibody for beta-Actin, actin, beta (ACTB) detection. Tested with WB, IHC-P in Human, mouse, rat. No cross reactivity with other proteins. Uniprot ID: P60709

Background: The primary site of action of cytochalasin B on cell motility processes is beta-actin. Habets et al.(1992) generated hybrids that harbor only specific regions of human chromosome 7 and assigned the ACTB locus to 7p15-p12. ACTB and the other assigned beta-actin-related sequences are dispersed over at least four different chromosomes including one locus assigned to the X chromosome. A mutation of beta-actin that alters depolymerization dynamics is associated with autosomal dominant developmental malformations, deafness, and dystonia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46397333
NCBI GeneID	60
UniProt Accession #	P60709; P02570; P70514; P99021; Q11211; Q64316; Q75MN2; Q96B34; Q96HG5
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; 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/beta-actin-antibody-clone-ac-15-western-blot-immunohistochemistry-elisa/11508>