

Anti-Beta-Actin Antibody (Monoclonal, AC-15)

Catalog Number: MA1115

Description

Gene Name	actin, beta
Protein Name	Actin, cytoplasmic 1
Size	100µg/vial
Form	Lyophilized
Ig Type	Mouse IgG1
Purification	Ascites
Species	Human, Mouse, Rat
Immunogen	slightly modified beta-cytoplasmic actin N-terminal peptide, Ac-Asp-Asp-Asp-Ile-Ala-Ala-Leu-Val-Ile-Asp-Asn-Gly-Ser-Gly-Lys, conjugated to KLH.
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Clonality	Monoclonal
Clone Number	AC-15

Applications

	Concentration	Tested Species	Predicted Species	Antigen Retrieval
Western blot	0.25-0.5µg/mlµg/m	Human, mouse, rat	-	
Immunohistochemistry(Paraffin-embedded Section)	0.5-1µg/ml	Human, mouse, rat	-	By Heat

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Reconstitution:	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Storage:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Relevant detection systems

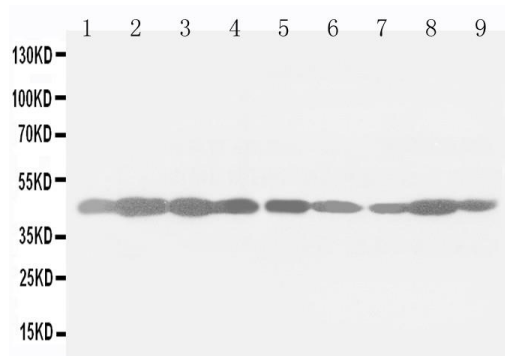
AMSBIO recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P).

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.

Anti-Beta-Actin Antibody (Monoclonal, AC-15) Images

Click the images to enlarge.



Anti-beta-Actin antibody (monoclonal), MA1115, Western blotting

Lane 1: Rat Ovary Tissue Lysate

Lane 2: Rat Testis Tissue Lysate

Lane 3: Rat Cardiac Muscle Tissue Lysate

Lane 4: Rat Brain Tissue Lysate

Lane 5: A453 Cell Lysate

Lane 6: HE

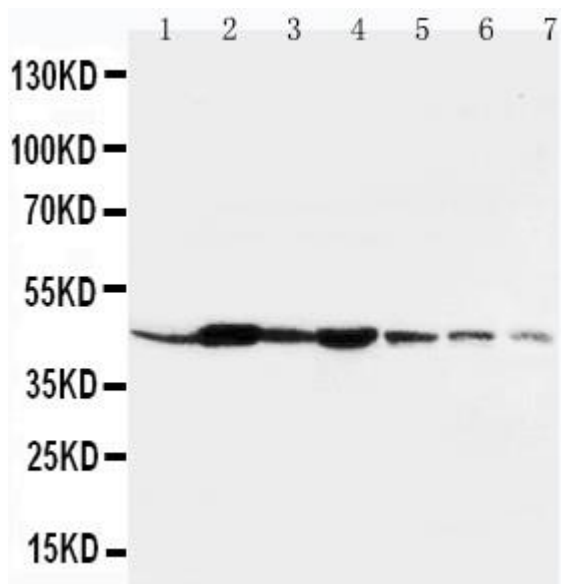
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Anti-beta-Actin antibody (monoclonal), MA1115, Western blotting

Lane 1: Rat Liver Tissue Lysate

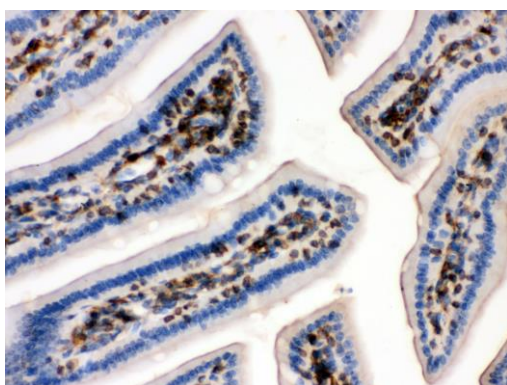
Lane 2: Rat Spleen Tissue Lysate

Lane 3: Rat Brain Tissue Lysate

Lane 4: Rat Kidney Tissue Lysate

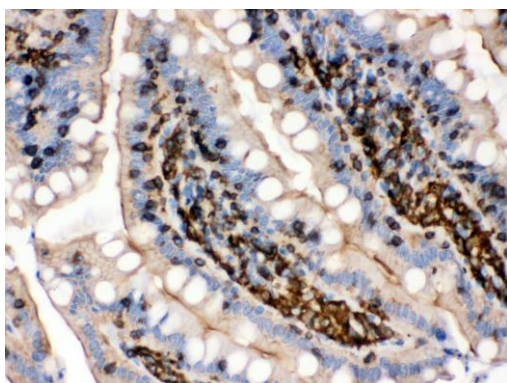
Lane 5: HELA Cell Lysate

Lane 6: SMMC Cell



Anti-beta-Actin antibody (monoclonal), MA1115, IHC(P)

IHC(P): Mouse Intestine Tissue



Anti-beta-Actin antibody (monoclonal), MA1115, IHC(P)

IHC(P): Rat Intestine Tissue

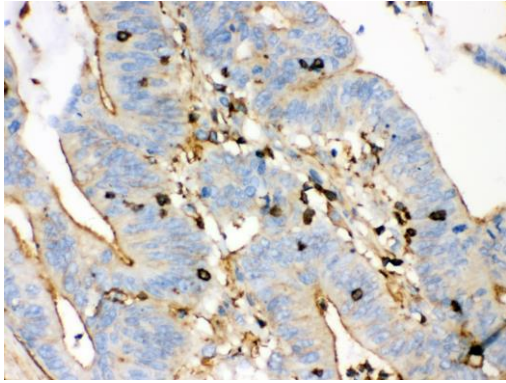
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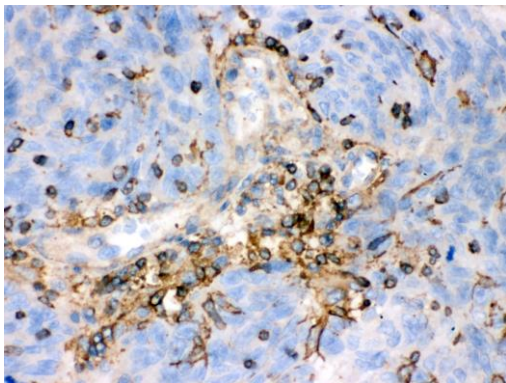
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Anti-beta-Actin antibody (monoclonal), MA1115, IHC(P)
IHC(P): Human Intestinal Cancer Tissue



Anti-beta-Actin antibody (monoclonal), MA1115, IHC(P)
IHC(P): Human Lung Cancer Tissue

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