

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

Catalog Number: MA1115

About Actb

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.

Overview

Product Name	Anti-Beta-Actin Actb Antibody (Monoclonal, AC-15)
Reactive Species	Chicken, Human, Monkey, Mouse, Pig, Rabbit, Rat
Description	Boster Bio Anti-Beta-Actin Actb Antibody (Monoclonal, AC-15) catalog # MA1115. Tested in IHC, WB applications. This antibody reacts with Chicken, Human, Monkey, Mouse, Pig, Rabbit, Rat.
Application	IHC, WB
Clonality	Monoclonal AC-15
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P60711

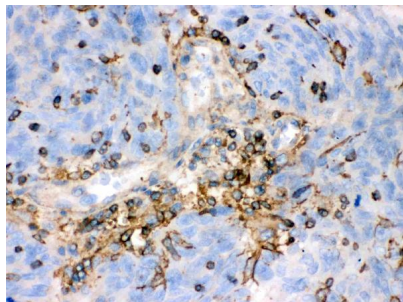
Technical Details

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.
Recommended Detection Systems	Boster 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).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites

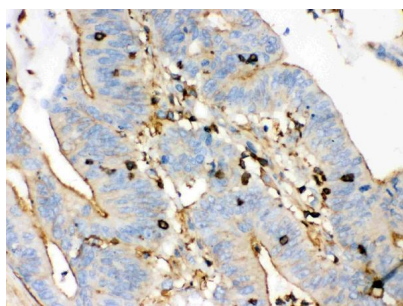
Suggested Dilutions

Western blot, 0.05-0.1ug/ml, Human, mouse, rat, pig, monkey, rabbit, chicken
Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, mouse, rat

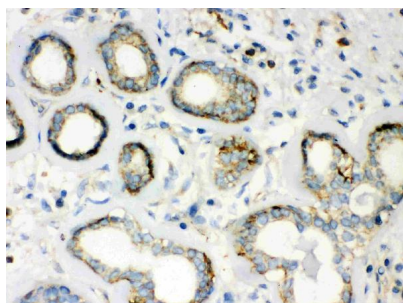
Anti-Beta-Actin Actb Antibody (Monoclonal, AC-15) (MA1115) Images



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



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 Mammary Cancer Tissue

683 Publications Citing This Product

1. PubMed ID: 10.3390/cancers13081871, Inhibiting FAK–Paxillin Interaction Reduces Migration and Invadopodia-Mediated Matrix Degradation in Metastatic Melanoma Cells
2. PubMed ID: PMID:31934300, HMGB1-induced endothelial cell pyroptosis is involved in systemic inflammatory response syndrome following radiofrequency ablation of hepatic hemangiomas
3. PubMed ID: 10.3892/mmr.2020.11027, Rat bone mesenchymal stem cells exert antiproliferative effects on nicotine-exposed T cells via iNOS production

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