

Anti-Beta-Actin Actb Antibody (Monoclonal, 31A06)

Catalog Number: M01263-9

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, 31A06)
Reactive Species	Chicken, Human, Monkey, Mouse, Pig, Rabbit, Rat
Description	Boster Bio Anti-Beta-Actin Actb Antibody (Monoclonal, 31A06) catalog # M01263-9. Tested in IHC, WB applications. This antibody reacts with Chicken, Human, Monkey, Mouse, Pig, Rabbit, Rat.
Application	IHC, WB
Clonality	Monoclonal 31A06
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN ₃ . This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

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