BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Alpha-Actinin ACTN2 Antibody (Monoclonal, 35A47)

Catalog Number: M03673-2

About ACTN2

Alpha-actinin was initially isolated from rabbit skeletal muscle as a factor that induces the gelation of F-actin and promotes the superprecipitation of actomyosin. Alpha actinins are actin-binding proteins that carry out different purposes in different different cell types. In myofibrillar cells, alpha-actinin constitutes a major component of Z-discs in striated muscle and of the functionally analogous dense bodies and dense plaques in smooth muscle. Alpha-actinin (alpha A) shares structural homology with spectrin and dystrophin.

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Overview

Product Name	Anti-Alpha-Actinin ACTN2 Antibody (Monoclonal, 35A47)
Reactive Species	Human, Mouse, Rabbit, Rat
Description	Boster Bio Anti-Alpha-Actinin ACTN2 Antibody (Monoclonal, 35A47) catalog # M03673-2. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rabbit, Rat.
Application	IHC, WB
Clonality	Monoclonal EA-53
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN3. 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	D3ZCV0

Technical Details

Immunogen	Rabbit skeletal alpha-actinin.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western

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	blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and IHC(F).
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	Immunohistochemistry (Paraffin-embedded Section), 1-2ug/ml, Human, mouse, rat, rabbit Immunohistochemistry (Frozen Section), 1-2ug/ml, Human, mouse, rat, rabbit, - Western blot, 0.5-1ug/ml, Human, mouse, rat, rabbit

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For Research Use Only. Not for use in diagnostic procedures.