

Anti-alpha Actinin 4 ACTN4 Monoclonal Antibody

Catalog Number: M01975

About ACTN4

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation.

Overview

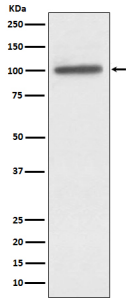
Product Name	Anti-alpha Actinin 4 ACTN4 Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-alpha Actinin 4 ACTN4 Monoclonal Antibody catalog # M01975. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal ACIO-1
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O43707

Technical Details

Immunogen	A synthesized peptide derived from human alpha Actinin 4
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
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Anti-alpha Actinin 4 ACTN4 Monoclonal Antibody (M01975) Images



Western blot analysis of alpha Actinin 4 expression in A431 cell lysate.

2 Publications Citing This Product

1. PubMed ID: 30745528, Hu H,Xue J,Dong R,Zhao Y,Song C,Zhao H,Hescheler J,Zhang Y,Liang H.STAT3 Phosphorylation Mediating DMSO's Function on Fetal Cardiomyocyte Proliferation with Developmental Changes.Int Heart J.2019 Mar 20;60(2):392-399.doi:10.1536/ihj.18-206.Epub 2019 Feb 8.PMID:30745528.
2. PubMed ID: 30745528, STAT3 Phosphorylation Mediating DMSO's Function on Fetal Cardiomyocyte Proliferation with Developmental Changes Haitao Hu, et al. Int Heart J. 2019 Mar 20;60(2):392-399. doi: 10.1536/ihj.18-206. Epub 2019 Feb 8.

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