

Anti-Actin (Alpha-Actin) ACTA1 Rabbit Monoclonal Antibody

Catalog Number: M02014-4

About ACTA1

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-Actin (Alpha-Actin) ACTA1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Actin (Alpha-Actin) ACTA1 Rabbit Monoclonal Antibody catalog # M02014-4. 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 C-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	P68133

Technical Details

Immunogen	A synthesized peptide derived from human Actin (Alpha-Actin)
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 1:1000-1:2000

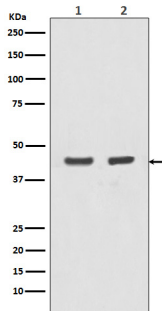
IHC 1:50-1:200

ICC/IF 1:50-1:200

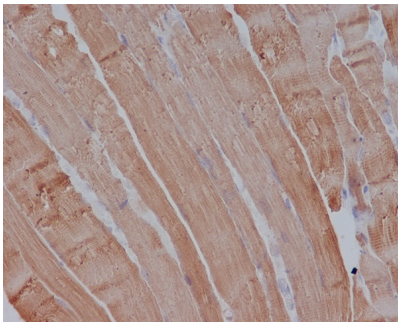
IP 1:50

FC 1:50

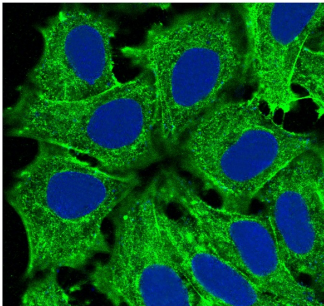
Anti-Actin (Alpha-Actin) ACTA1 Rabbit Monoclonal Antibody (M02014-4) Images



Western blot analysis of Actin (Alpha-Actin) expression in (1) A431 cell lysate; (2) MCF-7 cell lysate.



Immunohistochemical analysis of paraffin-embedded mouse muscle, using Actin (Alpha-Actin) Antibody.



Immunofluorescent analysis of HeLa cells, using Actin (Alpha-Actin) Antibody .

8 Publications Citing This Product

1. PubMed ID: 30554401, Shen X,Zhang J,Zhang X,Wang Y,Hu Y,Guo J.Retinoic Acid-Induced Protein 14 (RAI14) Promotes mTOR-Mediated Inflammation Under Inflammatory Stress and Chemical Hypoxia in a U87 Glioblastoma Cell Line.Cell Mol Neurobiol.2019 Mar;39(2):241-254.doi:10.1007/s10571-018-0644-z.Epub 2018 Dec 15.PMID:30554401.

2. PubMed ID: 32390601, Cheng J,Luan J,Chen P,Kuang X,Jiang P,Zhang R,Chen S,Cheng F,Gou X.Immunosuppressive receptor LILRB1 acts as a potential regulator in hepatocellular carcinoma by integrating with SHP1.Cancer Biomark.2020; 28(3):309-319.doi:10.3233/CBM-190940.PMID:32390601

3. PubMed ID: 33221387, Sandulescu T, Weniger J, Philippou S, Mücke T, Naumova EA, Arnold WH. Immunohistochemical evidence of striated muscle cells within midfacial superficial musculoaponeurotic system. Ann Anat. 2020 Nov 19:151647. doi: 10.1016/j.aanat.2020.151647. Epub ahead

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