

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

Catalog Number: M02014-4

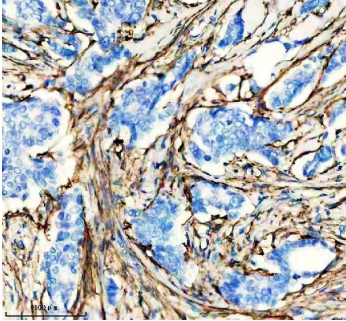
### Overview

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 stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *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. 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

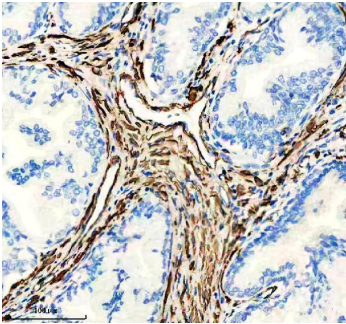
### Technical Details

Immunogen	A synthesized peptide derived from human Actin (Alpha-Actin)
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:20 FC 1:20

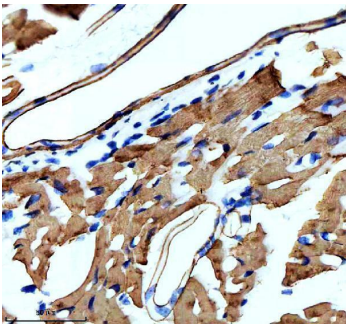
## Anti-Actin (Alpha-Actin) ACTA1 Rabbit Monoclonal Antibody (M02014-4) Images



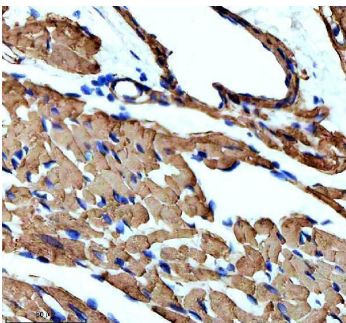
IHC analysis of Actin (Alpha-Actin) using anti-Actin (Alpha-Actin) antibody (M02014-4). Actin (Alpha-Actin) was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Actin (Alpha-Actin) Antibody (M02014-4) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of Actin (Alpha-Actin) using anti-Actin (Alpha-Actin) antibody (M02014-4). Actin (Alpha-Actin) was detected in a paraffin-embedded section of human prostate cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Actin (Alpha-Actin) Antibody (M02014-4) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

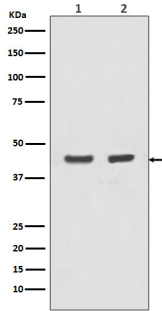


IHC analysis of Actin (Alpha-Actin) using anti-Actin (Alpha-Actin) antibody (M02014-4). Actin (Alpha-Actin) was detected in a paraffin-embedded section of mouse heart tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Actin (Alpha-Actin) Antibody (M02014-4) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

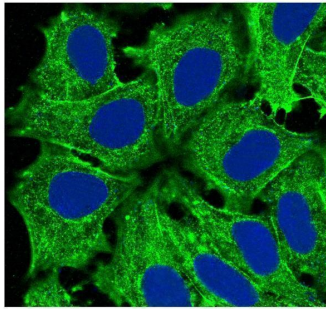


IHC analysis of Actin (Alpha-Actin) using anti-Actin (Alpha-Actin) antibody (M02014-4). Actin (Alpha-Actin) was detected in a paraffin-embedded section of rat heart tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Actin (Alpha-Actin) Antibody (M02014-4) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue

section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



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



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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