

Anti-alpha smooth muscle Actin ACTA2 Rabbit Monoclonal Antibody

Catalog Number: M01072-2

About ACTA2

Activated by icilin, eucalyptol, menthol, cold and modulation of intracellular pH. Involved in menthol sensation. Permeable for monovalent cations sodium, potassium, and cesium and divalent cation calcium.

Overview

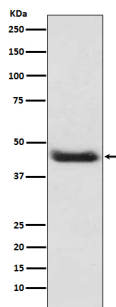
Product Name	Anti-alpha smooth muscle Actin ACTA2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-alpha smooth muscle Actin ACTA2 Rabbit Monoclonal Antibody catalog # M01072-2. Tested in WB, IHC, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IHC, WB
Clonality	Monoclonal HA-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	P62736

Technical Details

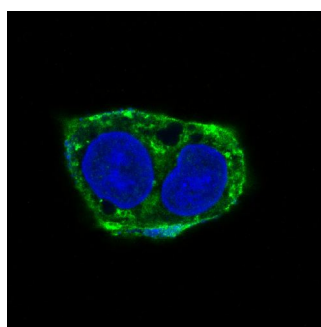
Immunogen	A synthesized peptide derived from human alpha smooth muscle Actin
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the 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 1:500-1:2000 IHC 1:50-1:200 IP 1:30 FC 1:50
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Anti-alpha smooth muscle Actin ACTA2 Rabbit Monoclonal Antibody (M01072-2) Images



Western blot analysis of alpha smooth muscle Actin expression in A431 cell lysate.



Immunofluorescent analysis of HepG2 cells, using alpha smooth muscle Actin Antibody .

68 Publications Citing This Product

1. PubMed ID: 31893573, Fang L,Wang KK,Zhang PF,Li T,Xiao ZL,Yang M,Yu ZX.Nucleolin promotes Ang II-induced phenotypic transformation of vascular smooth muscle cells by regulating EGF and PDGF-BB.J Cell Mol Med.2020 Jan;24(2) :1917-1933.doi:10.1111/jcmm.14888.Epub 2020 Jan 1.PMI
2. PubMed ID: 32463570, Xu T,Pan L,Li L,Hu S,Zhou H,Yang C,Yang J,Li H,Liu Y,Meng X,Li J.MicroRNA-708 modulates Hepatic Stellate Cells activation and enhances extracellular matrix accumulation via direct targeting TMEM88. J Cell Mol Med. 2020 Jul;24(13):7127-7140.doi: 10.1111/jc
3. PubMed ID: 27391973, Reduced Expression of the Extracellular Calcium-Sensing Receptor (CaSR) Is Associated with Activation of the Renin-Angiotensin System (RAS) to Promote Vascular Remodeling in the Pathogenesis of Essential Hypertension

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