BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Sodium Potassium ATPase ATP1A1 Rabbit Monoclonal Antibody

Catalog Number: M00956

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Overview

Product Name	Anti-Sodium Potassium ATPase ATP1A1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Sodium Potassium ATPase ATP1A1 Rabbit Monoclonal Antibody catalog # M00956. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal AID-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	P05023

Technical Details

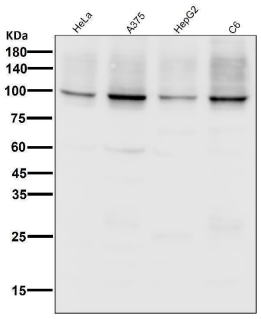
Immunogen	A synthesized peptide derived from human Sodium Potassium ATPase
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography

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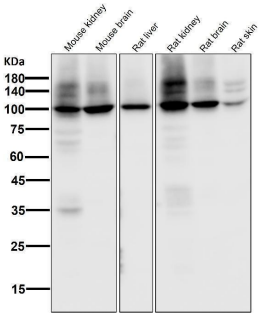
Suggested Dilutions	WB, 1:1000-5000 IHC, 1:50-200 ICC/IF, 1:50-200 FC, 1:20

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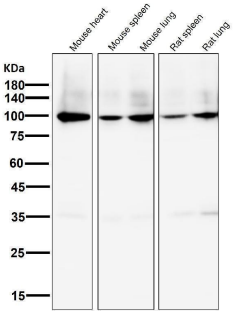
Anti-Sodium Potassium ATPase ATP1A1 Rabbit Monoclonal Antibody (M00956) Images



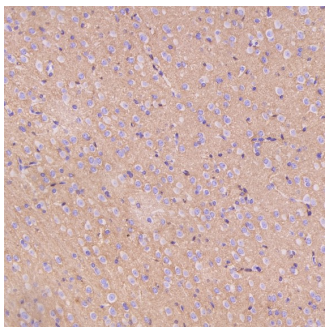
All lanes use the Antibody at 1:5W dilution for 1 hour at room temperature.



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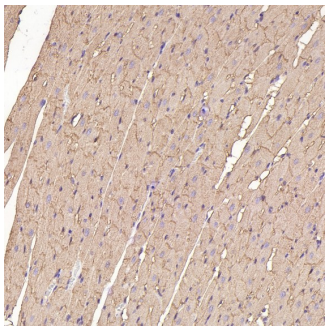
All lanes use the Antibody at 1:5W dilution for 1 hour at room temperature.

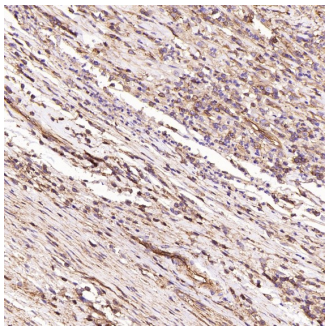


Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex, using the Antibody at 1:100 dilution.

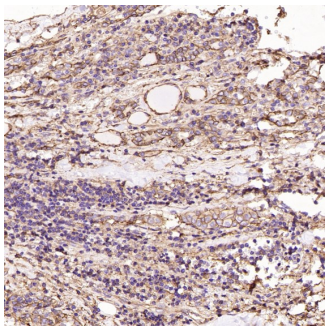
Immunohistochemical analysis of paraffin-embedded Rat heart, using the Antibody at 1:100 dilution.

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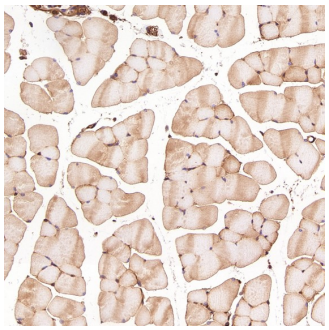




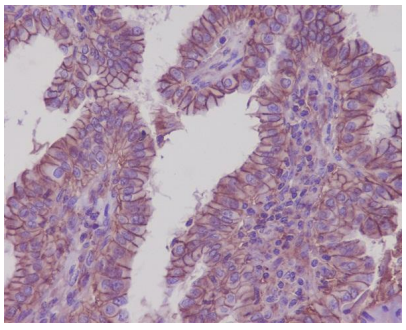
Immunohistochemical analysis of paraffin-embedded Human cervical cancer, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer, using the Antibody at 1:100 dilution.

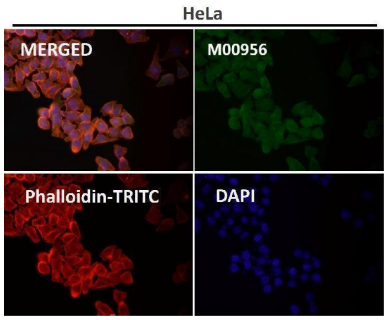


Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle - gastrocnemius , using the Antibody at 1:100 dilution.

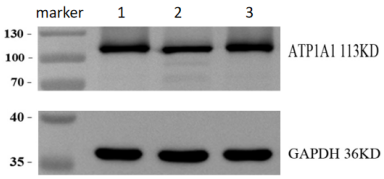


Immunohistochemical analysis of paraffin-embedded human thyroid carcinoma, using Sodium Potassium ATPase Antibody.

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Immunofluorescent analysis using the Antibody at 1:50 dilution.



Western blot analysis of ATP1A1 using anti-ATP1A1 antibody (M00956). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1-3: human HepG2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ATP1A1 antigen affinity purified monoclonal antibody (M00956) at 1:5000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with ChemiDoc MP system. A specific band was detected for ATP1A1 at approximately 113 kDa. The expected band size for ATP1A1 is at 113 kDa.

1 Publications Citing This Product

1. PubMed ID: 32922293, Li H,Ma Z,Zhai Y,Lv C,Yuan P,Zhu F,Wei L,Li Q,Qi X.Trimetazidine Ameliorates Myocardial Metabolic Remodeling in Isoproterenol-Induced Rats Through Regulating Ketone Body Metabolism via Activating AMPK and PPAR alpha.Front Pharmacol.2020 Aug 14;11:1255.doi:10.

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