

Anti-Na⁺/K⁺-ATPase ATP1A1 Antibody

Catalog Number: A00956-3

About ATP1A1

Metabolizes several precarcinogens, drugs, and solvents to reactive metabolites. Inactivates a number of drugs and xenobiotics and also bioactivates many xenobiotic substrates to their hepatotoxic or carcinogenic forms.

Fernandez-Salguero P., Am. J. Hum. Genet. 57:651-660(1995).

Overview

Product Name	Anti-Na ⁺ /K ⁺ -ATPase ATP1A1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Na ⁺ /K ⁺ -ATPase ATP1A1 Antibody catalog # A00956-3. Tested in WB, ICC/IF, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
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	Synthesized peptide derived from human Topo IIalpha around the phosphorylation site of T1343.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ProA affinity purified
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: 1:1,000-1:5,000

ICC: 1:50-1:200

IHC: 1:50-1:200

FC: 1:50-1:100

Anti-Na⁺/K⁺-ATPase ATP1A1 Antibody (A00956-3) Images

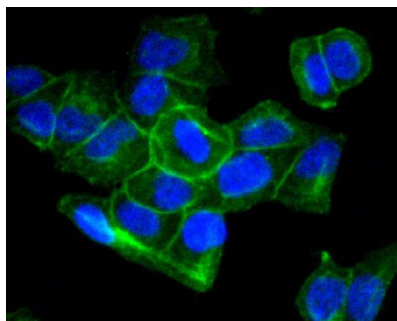


Figure 2. Immunocytochemistry staining of ATP1A1 using Anti-Na⁺/K⁺-ATPase ATP1A1 Antibody (A00956-3).

ICC staining Sodium Potassium ATPase in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

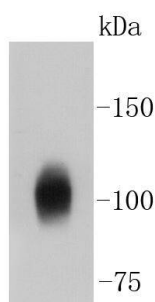


Figure 1. Western blotting validation for Anti-Na⁺/K⁺-ATPase ATP1A1 Antibody A00956-3

Western blot analysis of Sodium Potassium ATPase on A549 cell lysates using anti-Sodium Potassium ATPase antibody at 1/1

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