DATASHEET

ATP1A3 Rabbit Monoclonal Antibody(C1883)

CAT. NO. AMA01495

KEY FEATURES

Target	ATP1A3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Recombinant rabbit monoclonal antibody to ATP1A3
Specificity	Recognizes endogenous levels of ATP1A3 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human ATP1A3 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 111 kD; Observed: 100-150 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	Sodium/potassium-transporting ATPase subunit alpha-3; Na(+)/K(+) ATPase alpha-3 subunit; Na(+)/K(+) ATPase alpha(III) subunit; Sodium pump subunit alpha-3
Gene Symbol	ATP1A3
Entrez Gene	478(Human); 24213(Rat)
SwissProt	P13637(Human); Q6PIC6(Mouse); P06687(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

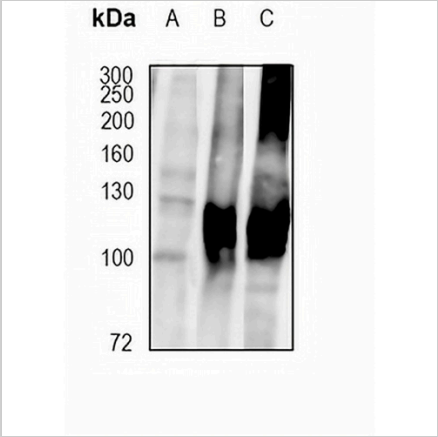
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Western blot analysis of ATP1A3 expression in A2780 (A), mouse brain (B), rat brain (C) whole cell lysates. (Predicted band size: 111 kD; Observed band size: 100-150 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.