

anti-Rat ATP1alpha1/Na+K+ ATPase1 Antibody | anti-AT1A1 antibody

ATP1alpha1/Na+K+ ATPase1 (Phospho-Ser23) Antibody

CATALOG # AAA267156	REACTIVITY Rat	APPLICATIONS ELISA, Immunofluorescence, Western Blot
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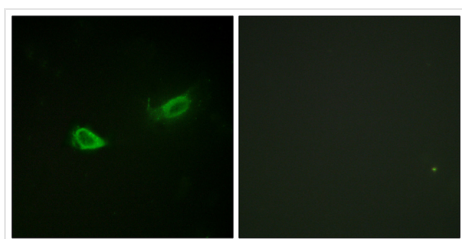
PRODUCT SYNONYMS

ATP1alpha1/Na+K+ ATPase1; ATP1alpha1/Na+K+ ATPase1 (Phospho-Ser23) Antibody; A1A1; ATPase; Na+/K+ transporting; alpha 1 polypeptide; EC 3.6.3.9; Hypothetical protein MGC38419; Na+/K+ ATPase 1; Na; K-ATPase 1; Sodium pump 1; Sodium/potassium-transporting ATPase alpha-1 chain precursor; anti-AT1A1 antibody

PRODUCT SPECIFICATIONS

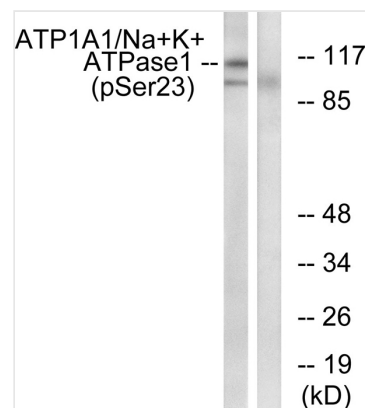
Reactivity	Rat
Specificity	ATP1alpha1/Na+K+ ATPase1 (Phospho-Ser23) antibody detects endogenous levels of ATP1alpha1/Na+K+ ATPase1 only when phosphorylated at serine 23.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	1023
Applicable Applications for anti-AT1A1 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human ATP1alpha1/Na+K+ ATPase1 around the phosphorylation site of serine 23 (K-K-SP-K-K).
All Sites	Rat: Ser23
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



WB (Western Blot)

P-peptide-+ Western blot analysis of extracts from rat brain, using ATP1alpha1/Na+K+ ATPase1 (Phospho-Ser23) antibody. Immunofluorescence analysis of NIH/3T3 cells, using ATP1alpha1/Na+K+ ATPase1 (Phospho-Ser23) antibody.



Application Data

ADDITIONAL INFORMATION

Product Categories/Family for anti-AT1A1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Shull G.E., Biochemistry 25:8125-8132(1986). Hara Y., J. Biochem. 102:43-58(1987). Herrera V.L.M., J. Cell Biol. 105:1855-1865(1987). The MGC Project Team; Genome Res. 14:2121-2127(2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978543
NCBI GeneID	24211
NCBI Accession #	NP_036636.1
NCBI GenBank Nucleotide #	NM_012504.1
UniProt Accession #	P06685; Q64609
Molecular Weight	113,054 Da
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit alpha-1
NCBI Official Synonym Full Names	ATPase Na+/K+ transporting subunit alpha 1
NCBI Official Symbol	Atp1a1
NCBI Official Synonym Symbols	Nkaa1b
NCBI Protein Information	sodium/potassium-transporting ATPase subunit alpha-1
UniProt Protein Name	Sodium/potassium-transporting ATPase subunit alpha-1
UniProt Gene Name	Atp1a1
UniProt Synonym Gene Names	Na(+)/K(+) ATPase alpha-1 subunit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/at1a1-rat-antibody/atp1alpha1-nak-atpase1/267156>