

ATPase Antibody | anti-ATPase antibody

ATPase (Phospho-Ser16) Antibody

CATALOG # AAA267409	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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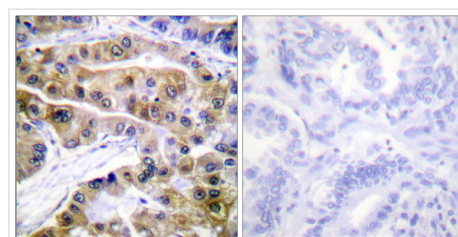
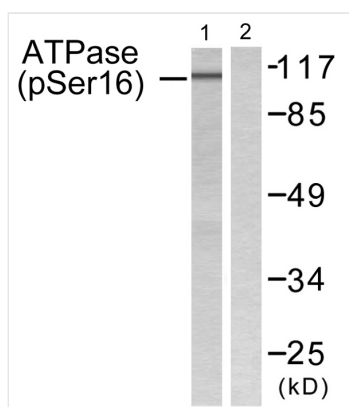
PRODUCT SYNONYMS

ATPase; ATPase (Phospho-Ser16) Antibody; A1A1; AT1A1; 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-ATPase antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	ATPase (Phospho-Ser16) antibody detects endogenous levels of ATPase only when phosphorylated at serine 16.
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 Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	1023
Applicable Applications for anti-ATPase antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human ATPase around the phosphorylation site of serine 16 (A-V-SP-E-H).
All Sites	Human: Ser16 Mouse: Ser16 Rat: Ser16
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using ATPase (Phospho-Ser16) antibody. Western blot analysis of extracts from 293 cells, treated with PMA (125ng/ml, 30mins), using ATPase (Phospho-Ser16) antibody.

ADDITIONAL INFORMATION

References	K.M. Ridge, Circ. Res., Mar 2003; 92: 453-460. Pitchai Sangan, Am J Physiol Cell Physiol, Jan 2000; 278: C182-C189. B. S. Lee, Am J Physiol Cell Physiol, Jan 1996; 270: C382-C388. RM Medford, J. Biol. Chem., Sep 1991; 266: 18308-18312.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361181
NCBI GeneID	476
NCBI Accession #	NP_000692.2
NCBI GenBank Nucleotide #	NM_000701.7
UniProt Accession #	P05023; Q16689; Q6LDM4; Q9UCN1; Q9UJ20; Q9UJ21; B2RBR6; B7Z2T5; B7Z3U6; F5H3A1
Molecular Weight	113,000 Da
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit alpha-1 isoform a
NCBI Official Synonym Full Names	ATPase Na+/K+ transporting subunit alpha 1
NCBI Official Symbol	ATP1A1
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/human-mouse-rat-antibody/atpase/267409>