



ATPase (Phospho-Ser16) Antibody

E11-0458A

Catalog Number: E11-0458A

Concentration: 1mg/ml

Swiss-Prot No.: P05023

Other Names: A1A1, AT1A1, 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

All Sites: Human: Ser16; Mouse: Ser16; Rat: Ser16

Storage/Stability: Store at -20°C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human ATPase around the phosphorylation site of serine 16 (A-V-S^P-E-H).

Purification: The antibody was 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.

Specificity: ATPase (Phospho-Ser16) antibody detects endogenous levels of ATPase only when phosphorylated at serine 16.

Reactivity: Human, Mouse, Rat

Applications: WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:1000

References:

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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.

