bs-15967R **[Primary Antibody]**

phospho-ATP1A1 (Tyr260) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 476 **SWISS:** P05023

Target: ATP1A1 (Tyr260)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human alpha 1 Sodium Potassium ATPase around the phosphorylation site of Tyr260: V(p-Y)TG.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na+/K+-ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The catalytic subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes an alpha 1 subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May2009].

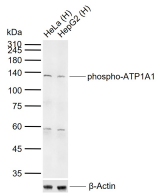
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 113 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Human HeLa cell lysates Lane 2: Human HepG2 cell lysates Primary: Anti-phospho-ATP1A1 (Tyr260) (bs-15967R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 113 kDa Observed band size: 135 kDa