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## Phospho-Na+/K+-ATPase-S16 Rabbit pAb

Catalog No.: AP1065 1 Publications

#### **Basic Information**

#### **Observed MW**

112kDa

#### **Calculated MW**

113kDa

#### Category

Primary antibody

## **Applications**

WB,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

## **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 sodiumcoupled 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.

## **Recommended Dilutions**

**WB** 1:500 - 1:2000

**ELISA** 

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID Swiss Prot** 476 P05023

#### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

#### **Synonyms**

CMT2DD; HOMGSMR2; Phospho-Na+/K+-ATPase-S16

## **Contact**

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#### **Product Information**

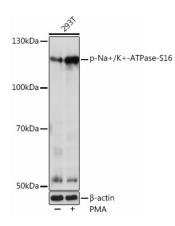
Source Isotype **Purification** Rabbit IgG Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

## **Validation Data**



Western blot analysis of lysates from 293T cells, using Phospho-Na+/K+-ATPase-S16 Rabbit pAb (AP1065) at 1:1000 dilution. 293T cells were treated with PMA/TPA (200 nM) at  $37^{\circ}$ C for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins:  $25\mu g$  per lane. Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.