bs-1152R **[Primary Antibody]**

ATP1B2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 482 **SWISS:** P14415

Target: ATP1B2

Immunogen: KLH conjugated synthetic peptide derived from human ATP1b2: 201-290/290. < Extracellular >

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 Na+/K+ and H+/K+ ATPases beta chain proteins, 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 beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes a beta 2 subunit. [provided by RefSeq, Jul 2008]

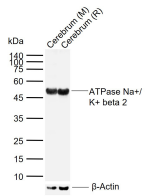
Applications: **WB** (1:200-1000)

Reactivity: Mouse, Rat (predicted: Human)

Predicted MW.: 33 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Cerebrum tissue lysates Primary: Anti- ATPase Na+/ K+ beta 2 (bs-1152R) at 1/200 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 33 kDa Observed band size: 50 kDa

SELECTED CITATIONS

- **[IF=41.444]** Sun, Zeguo. et al. LINE-1 promotes tumorigenicity and exacerbates tumor progression via stimulating metabolism reprogramming in non-small cell lung cancer. MOL CANCER. 2022 Dec;21(1):1-24 WB ;Human. 35842613
- **[IF=10.2]** Jueshuo Guo. et al. IL-15 functionalized biomimetic hybrid mRNA vaccine for enhanced NSCLC immunotherapy via synergistic activation of T cells and NK cells. MATER TODAY BIO. 2025 Jun;32:101914 ;. 40520563
- **[IF=6.304]** Shiman Zuo. et al. Establishment of a novel mesenchymal stem cell-based regimen for chronic myeloid leukemia differentiation therapy. Cell Death Dis. 2021 Feb;12(2):1-15 WB ;Human. 33627636

- **[IF=4.088]** Yanhui Jia. et al. The deacetylation of Akt by SIRT1 inhibits inflammation in macrophages and protects against sepsis. EXP BIOL MED. ;(): WB ;Human,Mouse. 37211747
- **[IF=2.9]** Miao Jixuan. et al. Role of fructose in renal cell carcinoma progression. Discover Oncology. 2025 Dec;16(1):1-14 WB ;Mouse. 40410626