

bs-1152R**[Primary Antibody]****ATP1B2 Rabbit pAb, Loading Control****BioSS**
ANTIBODIES

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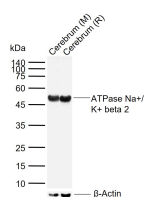
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 482 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]	Isotype: IgG SWISS: P14415	Applications: WB (1:500-2000) Reactivity: Mouse, Rat (predicted: Human) Predicted MW.: 33 kDa Observed MW.: 50 kDa Subcellular Location: Cell membrane
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— 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 1/500
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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=4.7]** Pooja Singh. et al. Purmorphamine attenuates dexamethasone-induced suppression of neurite outgrowth through sonic hedgehog signaling in Neuro2a cells. EUR J PHARMACOL. 2026 Jan;1011:178434 WB ;Mouse. 41349709
- **[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