

# Product Datasheet

## Sodium Potassium ATPase Alpha 2 Antibody NBP1-00937

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-00937****Sodium Potassium ATPase Alpha 2 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.9% Sodium Azide
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2)
<b>Target Molecular Weight</b>	112 kDa

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	477
<b>Gene Symbol</b>	ATP1A2
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	This antibody is reactive against Human, Mouse, Rat
<b>Marker</b>	Plasma Membrane Marker
<b>Specificity/Sensitivity</b>	Na <sup>+</sup> /K <sup>+</sup> -ATPase alpha2 (R1007) detects endogenous levels of Na <sup>+</sup> /K <sup>+</sup> -ATPase alpha2 protein.
<b>Immunogen</b>	Synthetic peptide, corresponding to amino acids C-terminus of Human Na <sup>+</sup> /K <sup>+</sup> -ATPase alpha2.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500-1:1000, ELISA 1:1000-1:5000
<b>Application Notes</b>	Western blot analysis of Na <sup>+</sup> /K <sup>+</sup> -ATPase alpha2 (R1007) antibody in extracts from Jurkat cells. Detects a band at molecular weight: 112kDa

**Publications**

Tadi M, Allaman I, Lengacher S et al. Learning-Induced Gene Expression in the Hippocampus Reveals a Role of Neuron -Astrocyte Metabolic Coupling in Long Term Memory. PLoS ONE. 2015-10-30 [PMID: 26513352] (WB, Mouse)

Kong HK, Wong MH, Chan HM, Lo SC. Chronic Exposure of Adult Rats to Low Doses of Methylmercury Induced a State of Metabolic Deficit in the Somatosensory Cortex. J Proteome Res. 2013-08-28 [PMID: 23984759] (WB, Rat)



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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