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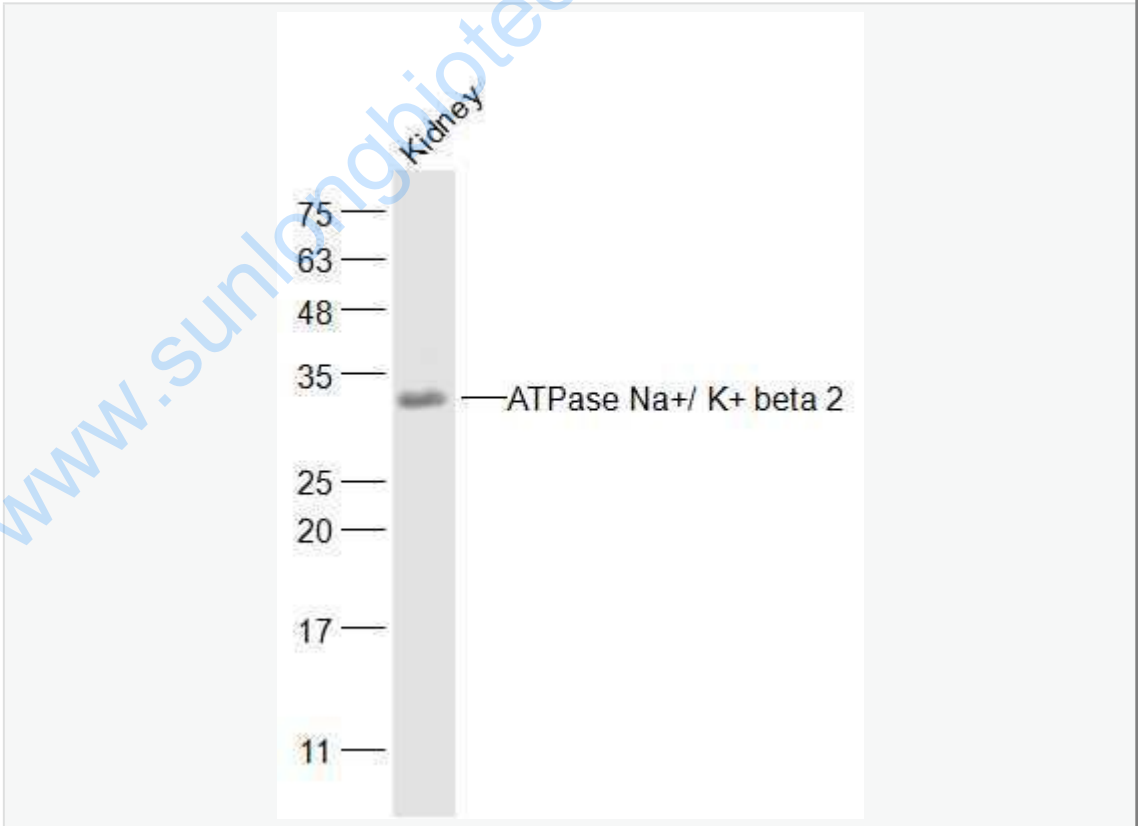
Rabbit Anti-ATPase Na+/ K+ beta 2 antibody

SL23414R

Product Name:	ATPase Na+/ K+ beta 2
Chinese Name:	钠钾ATP酶Channel protein抗体
Alias:	adhesion molecule on glia; Na+K+ATPase; AMOG; AT1B2; AT1B2_HUMAN; ATP1B2; ATPase Na+/K+ transporting beta 2 polypeptide; ATPB2; ATPB2S; MGC93648; Na+/K+ -ATPase beta 2 subunit; Na, K ATPase beta 2 polypeptide; RATATPB2S; sodium potassium ATPase subunit beta 2 (non-catalytic); sodium pump subunit beta 2; sodium/potassium dependent ATPase beta 2 subunit; Sodium/potassium dependent ATPase subunit beta 2; sodium/potassium transporting ATPase beta 2 chain; sodium/potassium transporting ATPase subunit beta 2; Sodium/potassium-dependent ATPase subunit beta-2; Sodium/potassium-transporting ATPase subunit beta-2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	33kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ATPase Na+/ K+ beta 2:21-120/290<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:	PubMed
Product Detail:	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] **Function:** This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The exact function of the beta-2 subunit is not known. **Subunit:** Composed of three subunits: alpha (catalytic), beta and gamma. **Subcellular Location:** Membrane; Single-pass type II membrane protein. **Similarity:** Belongs to the X(+)/potassium ATPases subunit beta family. **SWISS:** P14415 **Gene ID:** 482 **Database links:** Entrez Gene: 482Human Entrez Gene: 11932Mouse Entrez Gene: 24214Rat Omim: 182331Human SwissProt: P14415Human

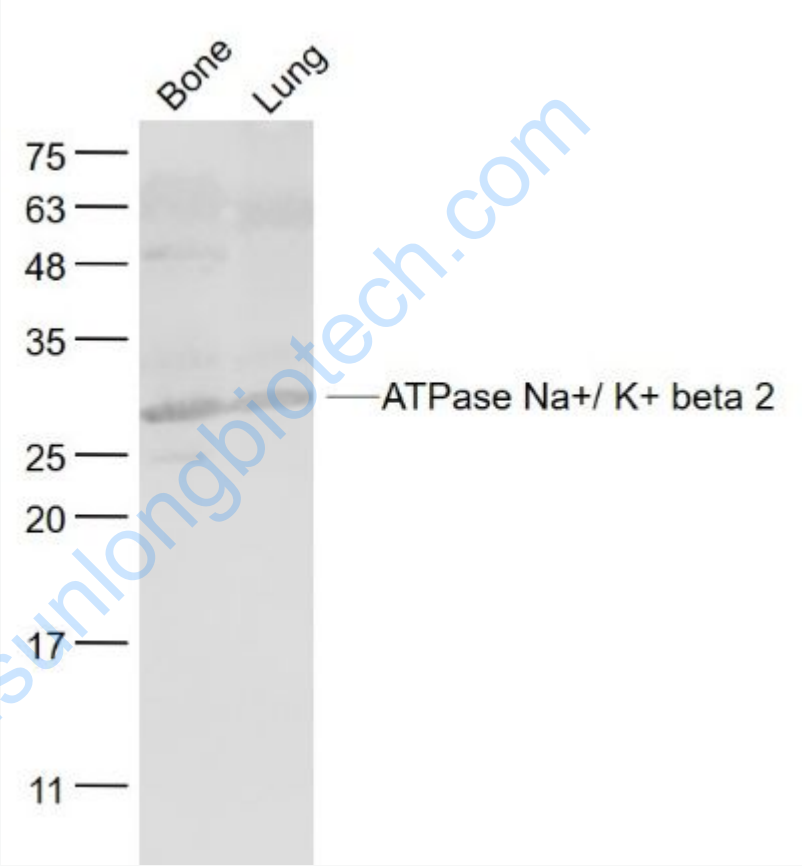
	SwissProt: P14231Mouse SwissProt: P13638Rat Unigene: 643540Human Unigene: 235204Mouse Unigene: 10624Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Kidney (Mouse) Lysate at 40 ug

Primary: Anti-ATPase Na+/ K+ beta 2 (SL23414R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kD

Observed band size: 33 kD



Sample:

Bone (Mouse) Lysate at 40 ug

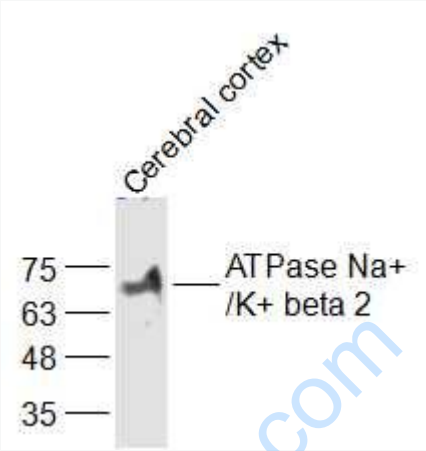
Lung (Mouse) Lysate at 40 ug

Primary: Anti- ATPase Na+/ K+ beta 2 (SL23414R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kD

Observed band size: 31 kD



Sample:

Cerebral cortex (Mouse) Lysate at 40 ug

Primary: Anti-ATPase Na+/ K+ beta 2 (SL23414R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kD

Observed band size: 73 kD

Sample:

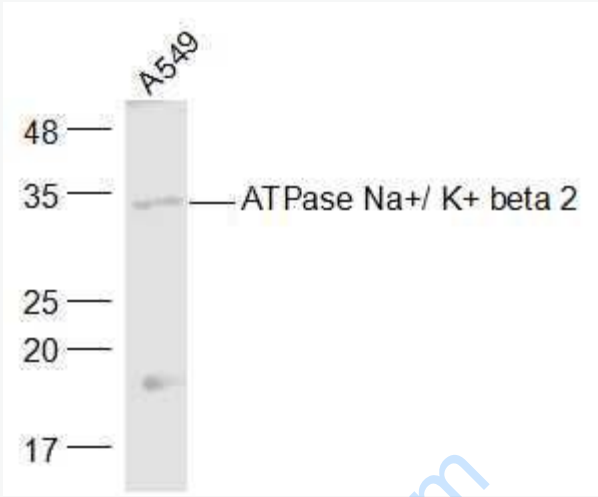
Cerebral cortex (Mouse) Lysate at 40 ug

Primary: Anti-ATPase Na+/ K+ beta 2 (SL23414R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kD

Observed band size: 33 kD



Sample:

A549(Human) Cell Lysate at 40 ug

Primary: Anti-ATPase Na+/ K+ beta 2 (SL23414R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kD

Observed band size: 33 kD