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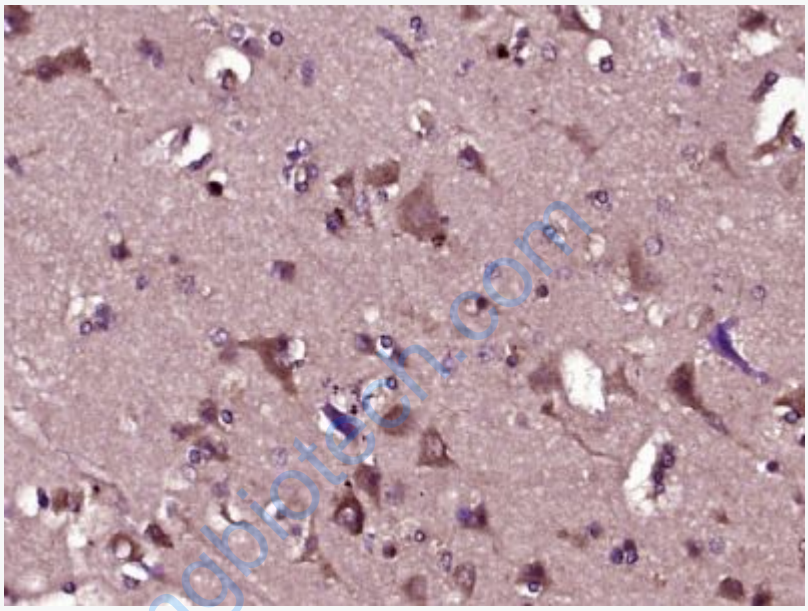
Rabbit Anti-ATPase Na+/ K+ beta 2 antibody

SL23413R

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,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） 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 :101-200/290<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: 482 Human Omim: 182331 Human SwissProt: P14415 Human Unigene: 643540 Human **Important Note:** This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications. Channel protein（Channel Protein）钠钾ATP酶是位于The cell membrane上的一种glycoprotein,与ATP的分解和细胞内外钠、钾离子的转运密切相关,哺乳动物各种组织细胞的钠钾ATP酶的immunology特性基本相同。
Picture:	 Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ATPase Na+) Polyclonal Antibody, Unconjugated (SL23413R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.