



Rabbit Anti-Adenylate kinase isoenzyme 6 antibody

SL23420R

| | |
|-------------------------------|---|
| Product Name: | Adenylate kinase isoenzyme 6 |
| Chinese Name: | 腺苷酸激酶同工酶6抗体 |
| Alias: | AK6; Coilin Interacting Nuclear ATPase Protein; Adrenal Gland Protein AD-004; EC 2.7.4.3; HCINAP; CINAP; Coilin-Interacting Nuclear ATPase Protein; Dual Activity Adenylate Kinase/ATPase; ATP-AMP Transphosphorylase 6; Adenylate Kinase Isoenzyme 6; Coilin Interacting Protein; AK/ATPase; CGI-137; AD-004; CIP; KAD6 HUMAN; |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Cow,Horse,Rabbit,Sheep, |
| Applications: | ELISA=1:500-1000IHC-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: | 20kDa |
| Cellular localization: | The nucleus |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human Adenylate kinase isoenzyme 6:101-172/172 |
| 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 |

This gene encodes a protein that belongs to the adenylate kinase family of enzymes. The protein has a nuclear localization and contains Walker A (P-loop) and Walker B motifs and a metal-coordinating residue. The protein may be involved in regulation of Cajal body formation. In human, AK6 and TAF9 (GeneID: 6880) are two distinct genes that share 5' exons. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Function:

Broad-specificity nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. AMP and dAMP are the preferred substrates, but CMP and dCMP are also good substrates. IMP is phosphorylated to a much lesser extent. All nucleoside triphosphates ATP, GTP, UTP, CTP, dATP, dCTP, dGTP, and TTP are accepted as phosphate donors. CTP is the best phosphate donor, followed by UTP, ATP, GTP and dCTP. May have a role in nuclear energy homeostasis. Has also ATPase activity. May be involved in regulation of Cajal body (CB) formation.

Subunit:

Monomer and homodimer (By similarity). Interacts with COIL (via C-terminus).

Subcellular Location:

Nucleus.

Tissue Specificity:

Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, chorionic villi and the central nervous system.

Similarity:

Belongs to the adenylate kinase family. AK6 subfamily.

SWISS:

Q9Y3D8

Gene ID:

102157402

Database links:

[Entrez Gene: 102157402](#)Human

[Entrez Gene: 6880](#)Human

[Entrez Gene: 102216272](#)Mouse

[Entrez Gene: 102238592](#)Rat

Product Detail:

[SwissProt: Q9Y3D8](#)Human

[SwissProt: Q8VCP8](#)Mouse

[SwissProt: Q9TTU2](#)Rabbit

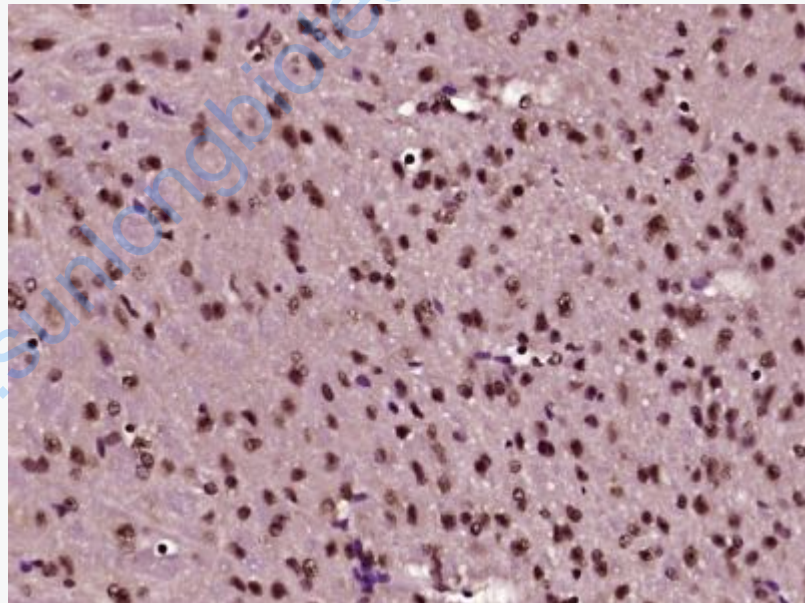
[SwissProt: Q5EB68](#)Rat

[Unigene: 653163](#)Human

Important Note:

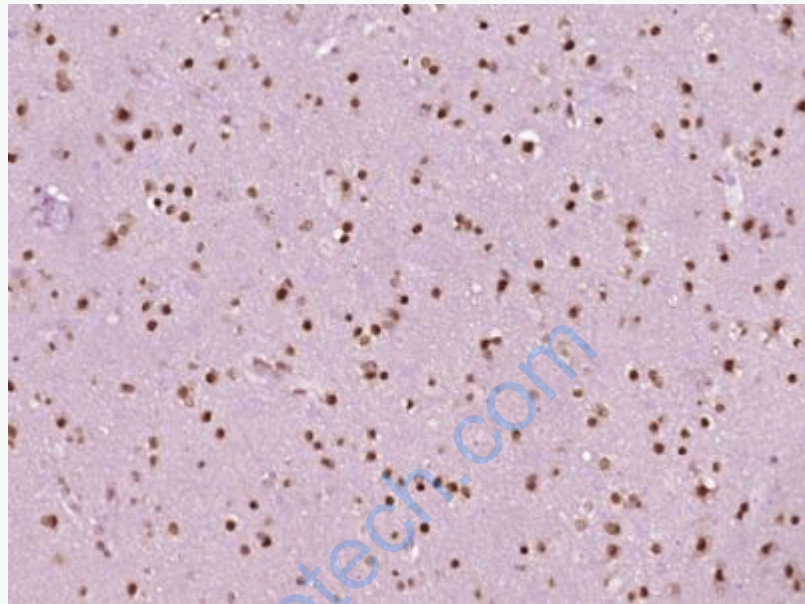
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Adenylate kinase isoenzyme 6) Polyclonal Antibody, Unconjugated (SL23420R) at 1:400 overnight at 4°C, followed by

operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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 (Adenylate kinase isoenzyme 6) Polyclonal Antibody, Unconjugated (SL23420R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.