
Product Name: AK5 Rabbit Polyclonal Antibody**Catalog #: APRab06715**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	25kDa

Antigen Information

Gene Name	AK5
Alternative Names	AK5; Adenylate kinase isoenzyme 5; AK 5; ATP-AMP transphosphorylase 5
Gene ID	26289.0
SwissProt ID	Q9Y6K8
Immunogen	The antiserum was produced against synthesized peptide derived from human AK5. AA range:391-440

Background

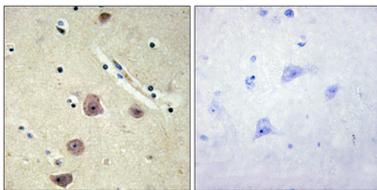
adenylate kinase 5(AK5) Homo sapiens This gene encodes a member of the adenylate kinase family, which is involved in

regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. This member is related to the UMP/CMP kinase of several species. It is located in the cytosol and expressed exclusively in brain. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008],catalytic activity:ATP + AMP = 2 ADP.,function:Active on AMP and dAMP with ATP as a donor. When GTP is used as phosphate donor, the enzyme phosphorylates AMP, CMP, and to a small extent dCMP.,similarity:Belongs to the adenylate kinase family.,subunit:Monomer.,tissue specificity:Brain specific.,

Research Area

Purine metabolism;

Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using AK5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using AK5 Polyclonal Antibody