

AK5 Polyclonal Antibody

Catalog No :	YT0157
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	AK5
Fields :	>>Purine metabolism;>>Thiamine metabolism;>>Metabolic pathways;>>Nucleotide metabolism;>>Biosynthesis of cofactors
Gene Name :	AK5
Protein Name :	Adenylate kinase isoenzyme 5
Human Gene Id :	26289
Human Swiss Prot No :	Q9Y6K8
Mouse Gene Id :	229949
Mouse Swiss Prot No :	Q920P5
Immunogen :	The antiserum was produced against synthesized peptide derived from human AK5. AA range:391-440
Specificity :	AK5 Polyclonal Antibody detects endogenous levels of AK5 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 25kD

Cell Pathway : Purine metabolism;

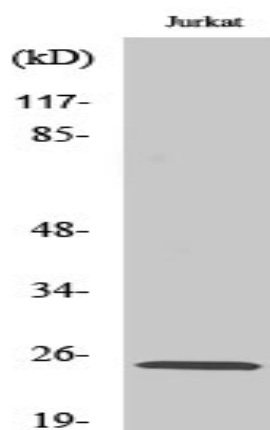
Background : adenylate kinase 5(AK5) Homo sapiens This gene encodes a member of the adenylate kinase family, which is involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. This member is related to 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],

Function : 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.,

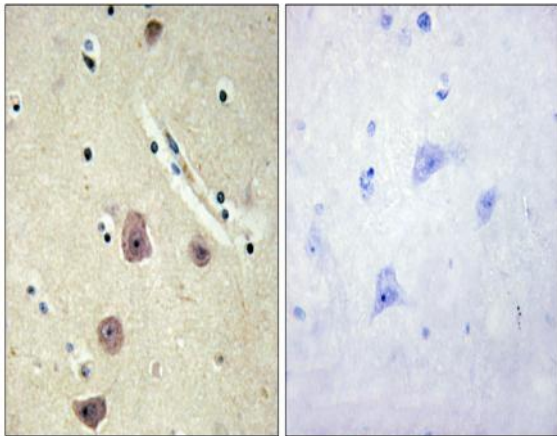
Subcellular Location : Cytoplasm .

Expression : Brain specific.

Products Images



Western Blot analysis of various cells using AK5 Polyclonal Antibody



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