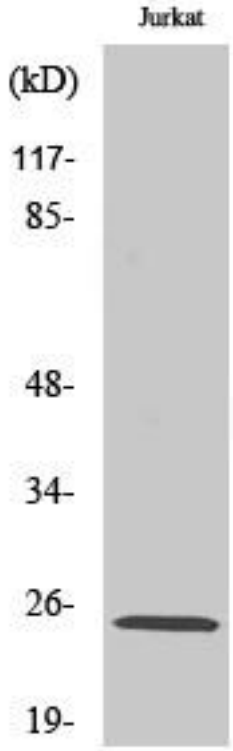
AK5 Monoclonal Antibody

Catalog No	YP-mAb-14649
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	AK5
Protein Name	Adenylate kinase isoenzyme 5
Immunogen	The antiserum was produced against synthesized peptide derived from human AK5. AA range:391-440
Specificity	AK5 Monoclonal Antibody detects endogenous levels of AK5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AK5; Adenylate kinase isoenzyme 5; AK 5; ATP-AMP transphosphorylase 5
Observed Band	25kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Brain specific.
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.,
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],
matters needing attention	Avoid repeated freezing and thawing!

Usage suggestions This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using AK5 Monoclonal Antibody