

Product datasheet for **TA501643BM**

Adenylate kinase 5 (AK5) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI2A2]

Product data:

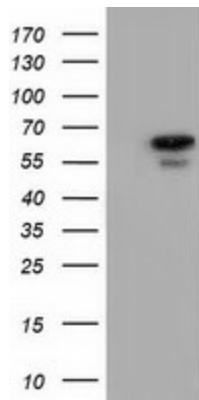
| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2A2 |
| Applications: | FC, IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:150, FLOW 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human AK5 (NP_777283) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | HRP |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 63.2 kDa |
| Gene Name: | adenylate kinase 5 |
| Database Link: | NP_777283 Entrez Gene 229949 Mouse Entrez Gene 26289 Human Q9Y6K8 |
| Background: | 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] |



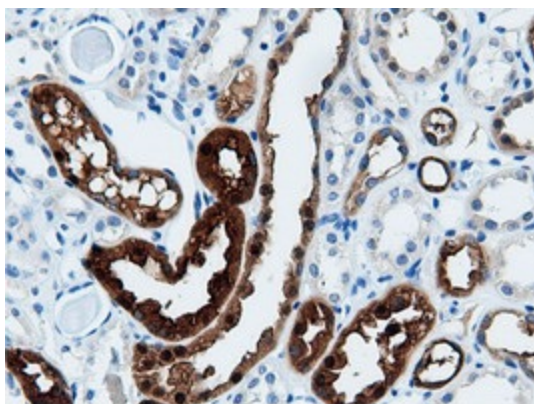
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Synonyms: AK6
Protein Families: Druggable Genome
Protein Pathways: Metabolic pathways, Purine metabolism

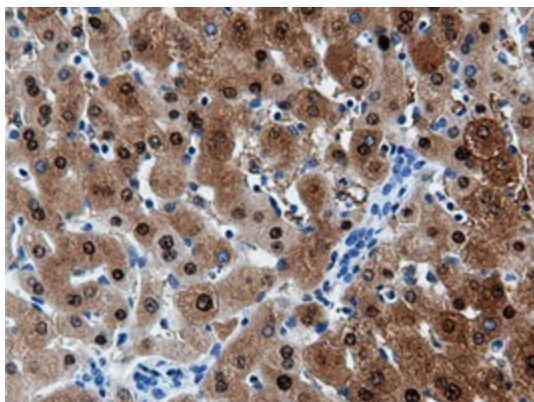
Product images:



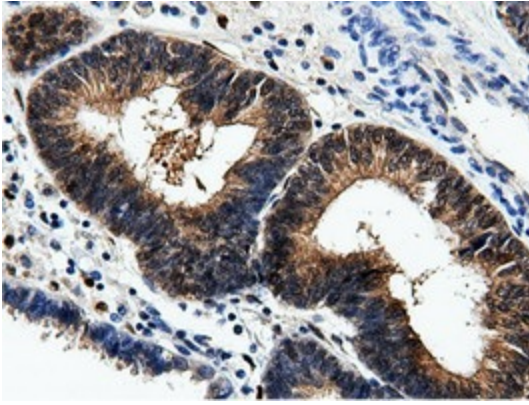
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AK5 ([RC222241], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AK5. Positive lysates [LY403569] (100ug) and [LC403569] (20ug) can be purchased separately from OriGene.



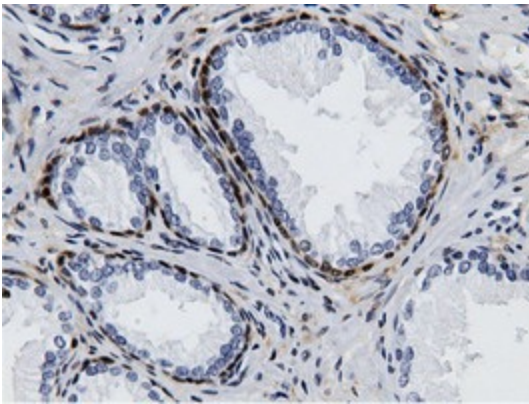
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-AK5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501643])



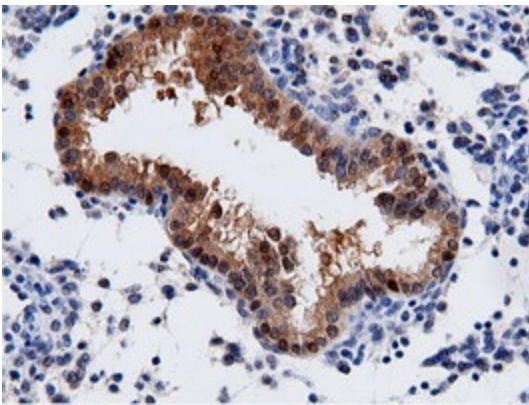
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-AK5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501643])



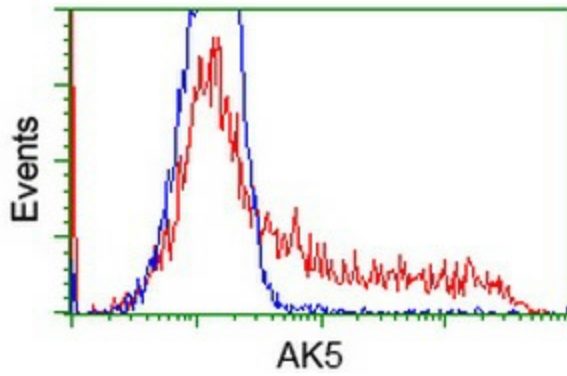
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-AK5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501643])



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-AK5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501643])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-AK5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501643])



HEK293T cells transfected with either [RC222241] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-AK5 antibody ([TA501643]), and then analyzed by flow cytometry.