

ARG54804 anti-ADK antibody

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|------------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes ADK |
| Tested Reactivity | Hu |
| Tested Application | IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | ADK |
| Species | Human |
| Immunogen | KLH-conjugated synthetic peptide corresponding to aa. 322-352 (C-terminus) of Human ADK. |
| Conjugation | Un-conjugated |
| Alternate Names | Adenosine kinase; AK; Adenosine 5'-phosphotransferase; EC 2.7.1.20 |

Application Instructions

| | | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Application table | Application | Dilution |
| | IHC-P | Assay-dependent |
| | WB | 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | Mouse liver | |

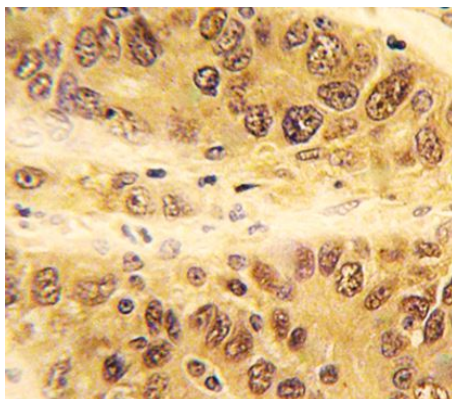
Properties

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Purification | Purification with Protein G. |
| Buffer | PBS and 0.09% (W/V) Sodium azide |
| Preservative | 0.09% (W/V) Sodium azide |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

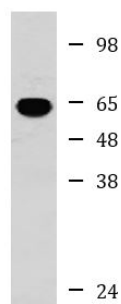
| | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Database links | GeneID: 132 Human Swiss-port # P55263 Human |
| Gene Symbol | ADK |
| Gene Full Name | adenosine kinase |
| Background | This gene an enzyme which catalyzes the transfer of the gamma-phosphate from ATP to adenosine, thereby serving as a regulator of concentrations of both extracellular adenosine and intracellular adenine nucleotides. Adenosine has widespread effects on the cardiovascular, nervous, respiratory, and immune systems and inhibitors of the enzyme could play an important pharmacological role in increasing intravascular adenosine concentrations and acting as anti-inflammatory agents. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011] |
| Function | ATP dependent phosphorylation of adenosine and other related nucleoside analogs to monophosphate derivatives. Serves as a potential regulator of concentrations of extracellular adenosine and intracellular adenine nucleotides. [UniProt] |
| Research Area | Cancer antibody; Metabolism antibody; Signaling Transduction antibody |
| Calculated Mw | 41 kDa |
| Cellular Localization | Isoform 1: Nucleus. |

Images



ARG54804 anti-ADK antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human hepatocarcinoma tissue stained with ARG54804 anti-ADK antibody.



Mouse liver

ARG54804 anti-ADK antibody WB image

Western blot: 35 µg of Mouse liver lysate stained with ARG54804 anti-ADK antibody.