

ARG54058 anti-Hexokinase 1 antibody

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody recognizes HK1 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | WB |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Target Name | Hexokinase 1 |
| Species | Human |
| Immunogen | Purified recombinant human Hexokinase 1 protein fragments expressed in E.coli |
| Conjugation | Un-conjugated |
| Alternate Names | Brain form hexokinase; HK1-tc; HK1-tb; HK1-ta; HMSNR; Hexokinase-1; Hexokinase type I; HK I; HKI; HXK1; EC 2.7.1.1; HKD |

Application Instructions

| | | |
|-------------------|--|----------|
| Application table | Application | Dilution |
| | WB | 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Observed Size | 102 kDa | |

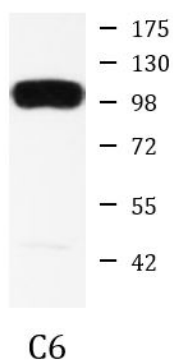
Properties

| | |
|---------------------|---|
| Form | Liquid |
| Purification | Affinity purified |
| Buffer | PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Concentration | 7.5 mg/ml |
| 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. 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

| | |
|-----------------------|---|
| Gene Symbol | HK1 |
| Gene Full Name | hexokinase 1 |
| Background | Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this gene have been associated with hemolytic anemia due to hexokinase deficiency. Alternative splicing of this gene results in five transcript variants which encode different isoforms, some of which are tissue-specific. Each isoform has a distinct N-terminus; the remainder of the protein is identical among all the isoforms. A sixth transcript variant has been described, but due to the presence of several stop codons, it is not thought to encode a protein. [provided by RefSeq, Apr 2009] |
| Highlight | Related products: Hexokinase1 antibodies; Anti-Mouse IgG secondary antibodies; Related poster download: The Structure & Functions of Mitochondria.pdf |
| Research Area | Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody |
| Calculated Mw | 102 kDa |
| Cellular Localization | Mitochondrion outer membrane. |

Images



ARG54058 anti-Hexokinase 1 antibody WB image

Western blot: C6 cell lysate stained with ARG54058 anti-Hexokinase 1 antibody at 1:1000 dilution.