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

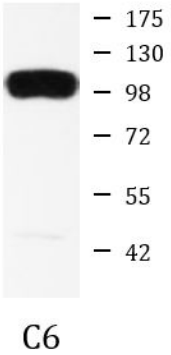
Properties

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.