

ARG43459 anti-Hexokinase 1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Hexokinase 1.
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Hexokinase 1
Species	Human
Immunogen	Purified recombinant protein corresponding to human Hexokinase 1.
Conjugation	Un-conjugated
Alternate Names	HKD; HKI; HXK1; HMSNR; HK1-ta; HK1-tb; HK1-tc

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50 - 1:200
	WB	1:500 - 1:2000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

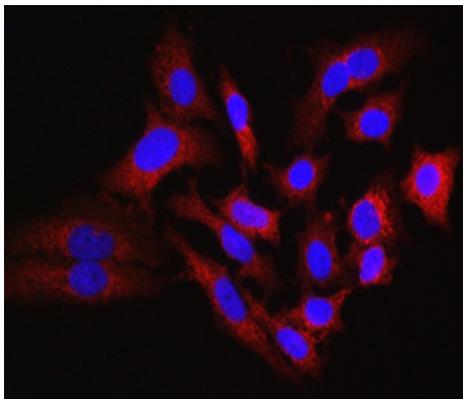
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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

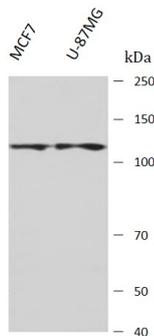
Gene Symbol	HK1
Gene Full Name	hexokinase 1
Background	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this gene 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]

Images



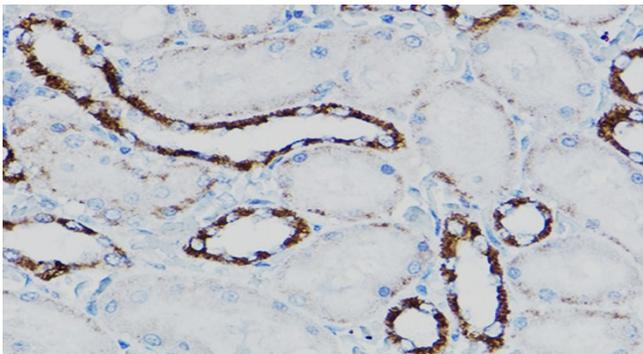
ARG43459 anti-Hexokinase 1 antibody ICC/IF image

Immunofluorescence: A-549 stained with ARG43459 anti-Hexokinase 1 antibody at 1:100 dilution.



ARG43459 anti-Hexokinase 1 antibody WB image

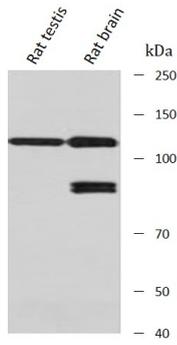
Western blot: MCF7 and U-87MG stained with ARG43459 anti-Hexokinase 1 antibody at 1:1000 dilution.



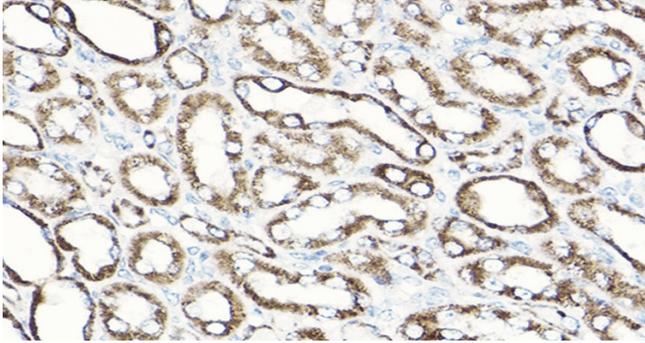
ARG43459 anti-Hexokinase 1 antibody IHC-P image

Immunohistochemistry: Rat kidney stained with ARG43459 anti-Hexokinase 1 antibody at 1:100 dilution.

ARG43459 anti-Hexokinase 1 antibody WB image

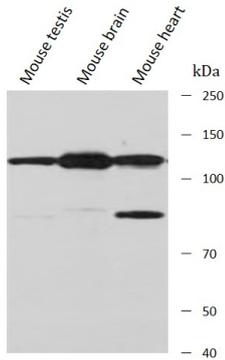


Western blot: Rat testis and Rat brain stained with ARG43459 anti-Hexokinase 1 antibody at 1:1000 dilution.



ARG43459 anti-Hexokinase 1 antibody IHC-P image

Immunohistochemistry: Mouse kidney stained with ARG43459 anti-Hexokinase 1 antibody at 1:100 dilution.



ARG43459 anti-Hexokinase 1 antibody WB image

Western blot: Mouse testis, Mouse brain and Mouse heart stained with ARG43459 anti-Hexokinase 1 antibody at 1:1000 dilution.