ARG56938
anti-Hexokinase (pan) antibody [4D7]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4D7] recognizes Hexokinase (pan)
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	4D7
Isotype	IgG2a, kappa
Target Name	Hexokinase (pan)
Species	Human
Immunogen	Recombinant fragment around aa. 1-917 of Human Hexokinase (pan).
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
ICC/IF	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.

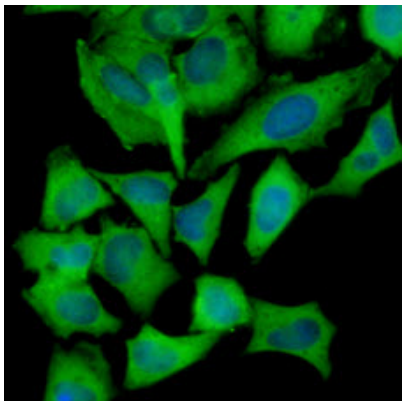
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 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

Database links	GeneID: 3098 Human Swiss-port # P19367 Human
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]
Calculated Mw	102 kDa

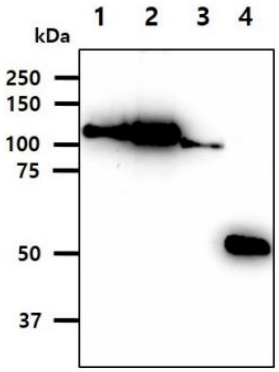
Images



ARG56938 anti-Hexokinase (pan) antibody [4D7] ICC/IF image

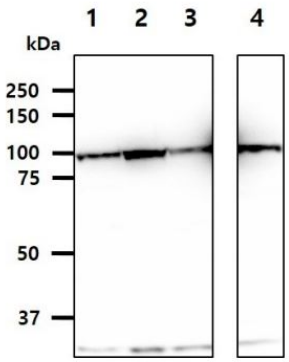
Immunoflorescense: HeLa cells stained with ARG56938 anti-Hexokinase (pan) antibody [4D7] at 1:1000 (Green).

Hoechst 33342 (Blue) for nucleus staining.



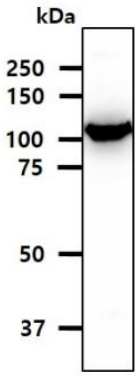
ARG56938 anti-Hexokinase (pan) antibody [4D7] WB image

Western blot: 20 ng of 1) Hexokinase 1 recombinant protein, 2) Hexokinase 2 recombinant protein, 3) Hexokinase 3 recombinant protein, 4) Hexokinase 4 recombinant protein stained with ARG56938 anti-Hexokinase (pan) antibody [4D7] at 1:1000.



ARG56938 anti-Hexokinase (pan) antibody [4D7] WB image

Western blot: 40 µg of 1) HepG2 cell lysate, 2) HeLa cell lysate, 3) Jurkat cell lysate, 4) K562 cell lysate stained with ARG56938 anti-Hexokinase (pan) antibody [4D7] at 1:1000.



ARG56938 anti-Hexokinase (pan) antibody [4D7] WB image

Western blot: 40 µg of Brain tissue lysate stained with ARG56938 anti-Hexokinase (pan) antibody [4D7] at 1:1000.