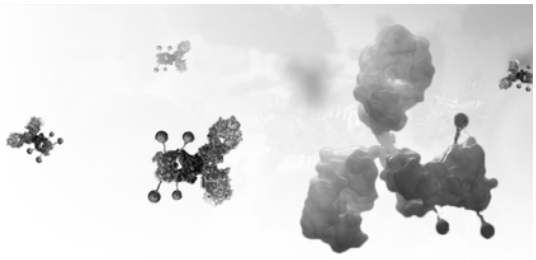

Anti-HK2 monoclonal antibody, clone 1A7 (CABT-54360MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Human Hexokinase 1&2, clone 1A7 recognizes human hexokinase 1 (HK1) and hexokinase 2 (HK2), 102kDa allosteric enzymes of the glycolytic pathway, which catalyse the phosphorylation of glucose to form glucose-6-phosphate (Glc-6-P). Hexokinase 1 is predominantly expressed in the brain while Hexokinase 2 is predominantly expressed in skeletal muscle. Both are members of four distinct mammalian hexokinase isozymes (hexokinase type I to IV), which localize to the outer membrane of mitochondria and is regulated (inhibited) by its product Glc-6-P. Western Blotting detects a band of approximately 102 kDa in Jurkat cell lysates.
Specificity	HEXOKINASE 1 & 2
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	1A7
Conjugate	Unconjugated
Applications	ELISA; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.1% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a

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precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	HK2 hexokinase 2 [Homo sapiens (human)]
Official Symbol	HK2
Synonyms	HK2; hexokinase 2; HKII; HXK2; hexokinase-2; HK II; hexokinase type II; hexokinase-2, muscle; muscle form hexokinase; HEXOKINASE 1 & 2;
Entrez Gene ID	3099
Protein Refseq	NP_000180
UniProt ID	P19367
Chromosome Location	2p13
Pathway	Amino sugar and nucleotide sugar metabolism; Butirosin and neomycin biosynthesis; Carbohydrate digestion and absorption; Carbon metabolism; Central carbon metabolism in cancer; Disease; Fructose and mannose metabolism; Galactose metabolism;
Function	ATP binding; fructokinase activity; glucokinase activity; glucose binding; hexokinase activity; mannokinase activity;

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