Store at -200

Hexokinase II Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 102	Source: Rabbit	UniProt ID: #P52789	Entrez-Gene Id: 3099	
Product Usage Information	Ар	Application			Dilution		
	We	stern Blotting			1:1000		
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity / Sensitiv	/ity Hex	Hexokinase II Antibody detects endogenous levels of total hexokinase (isoform II) protein.					
Source / Purification	sequ	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human hexokinase (isoform II). Antibodies are purified by protein A and peptide affinity chromatography.					
Background	disti beer critic	Hexokinase catalyzes the conversion of glucose to glucose-6-phosphate, the first step in glycolysis. Four distinct mammalian hexokinase isoforms, designated as hexokinase I, II, III, and IV (glucokinase), have been identified. Hexokinases I, II, and III are associated with the outer mitochondrial membrane and are critical for maintaining an elevated rate of aerobic glycolysis in cancer cells (Warburg Effect) (1) in order to compensate for the increased energy demands associated with rapid cell growth and proliferation (2,3).					
Background Refere	2. S	'ARBURG, O. (1956 emenza, G.L. (2000 mith, T.A. (2000) <i>Br</i>) Crit Rev Biochem	Mol Biol 35, 71-10	3.		

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected

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