Store at -20C

2867

Hexokinase II (C64G5) Rabbit mAb

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

Applications: WB, W-S	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 102	Source/Isotype: Rabbit	UniProt ID: #P52789	Entrez-Gene Id: 3099		
Product Usage Information	We	plication estern Blotting nple Western™			Dilution 1:1000 1:10 - 1:50			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sens		Hexokinase II (C64G5) Rabbit mAb detects endogenous levels of total hexokinase II protein. This antibody also cross-reacts with a non-specific protein at 125 kDa in certain models.						
Source / Purifica		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to the sequence of human hexokinase II.						
Background	disti bee 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 Refe	2. S	/ARBURG, O. (1956 emenza, G.L. (2000) mith, T.A. (2000) <i>Br</i> .) Crit Rev Bioche	em Mol Biol 35, 71-103.				
Species Reactivi	ty Spec	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot But		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:	WB: Western Blotting W-S: Simple Western™						
Cross-Reactivity	X: X:	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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