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GLYCTK Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant GLYCTK.
Catalog # AT2216a

Product Information

Application	WB
Primary Accession	Q8IVS8
Other Accession	NM_145262
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1B5
Calculated MW	55253

Additional Information

Gene ID	132158
Other Names	Glycerate kinase, HBeAg-binding protein 4, GLYCTK, HBEBP4
Target/Specificity	GLYCTK (NP_660305.2, 332 a.a. ~ 430 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GLYCTK Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

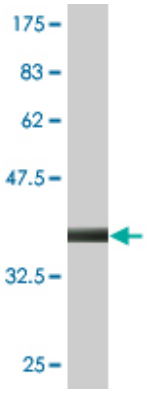
This locus encodes a member of the glycerate kinase type-2 family. The encoded enzyme catalyzes the phosphorylation of (R)-glycerate and may be involved in serine degradation and fructose metabolism. Decreased activity of the encoded enzyme may be associated with the disease D-glyceric aciduria. Alternatively spliced transcript variants have been described.

References

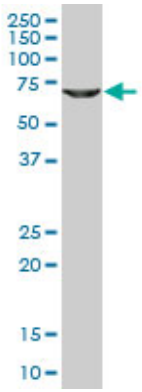
An empirical framework for binary interactome mapping. Venkatesan K, et al. Nat Methods, 2009 Jan. PMID 19060904.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.Isolation and characterization of the human D-glyceric acidemia related glycerate

kinase gene GLYCTK1 and its alternatively splicing variant GLYCTK2. Guo JH, et al. DNA Seq, 2006 Feb. PMID 16753811.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



GLYCTK monoclonal antibody (M02), clone 1B5. Western Blot analysis of GLYCTK expression in NIH/3T3 ((Cat # AT2216a)