

GLYCTK Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant GLYCTK.****Catalog # AT2216a****Specification**

GLYCTK Antibody (monoclonal) (M02) - Product Information

Application	WB
Primary Accession	Q8IVS8
Other Accession	NM_145262
Reactivity	Human, Mouse
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	55253

GLYCTK Antibody (monoclonal) (M02) - 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.

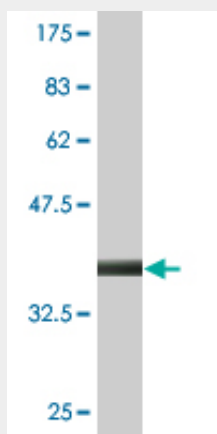
GLYCTK Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

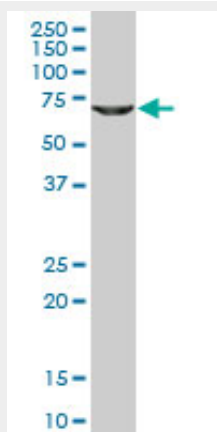
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GLYCTK Antibody (monoclonal) (M02) - 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)

GLYCTK Antibody (monoclonal) (M02) - 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.

GLYCTK Antibody (monoclonal) (M02) - 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.