



Glycerate Kinase Monoclonal Antibody

Catalog No	YP-mAb-14761
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GLYCK
Immunogen	The antiserum was produced against synthesized peptide derived from human GLCK. AA range:101-150
Specificity	Glycerate Kinase Monoclonal Antibody detects endogenous levels of Glycerate Kinase protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CG9886 like;GLCK_HUMAN;Glycerate kinase;Glyck;GLYCK1;HBeAg binding protein 2;HBeAg binding protein 4;HBeAg-binding protein 4; HBeAgBP4A;HBEBP2;HBEBP4;LP5910
Observed Band	60kD
Calculated Molecular Weight	60kD
Cell Pathway	[Isoform 1]: Cytoplasm .; [Isoform 2]: Cytoplasm. Mitochondrion .
Tissue Specificity	Widely expressed.
Function	catalytic activity:ATP + (R)-glycerate = ADP + 3-phospho-(R)-glycerate., disease:Defects in GLYCK are the cause of D-glyceric acidemia [MIM:220120]. It is characterized by nonketotic hyperglycinemia with the excretion of D-glyceric acid in the urine and the presence of this substance in the serum., similarity:Belongs to the glycerate kinase type-2 family.,tissue specificity:Widely expressed.,



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-glycemic aciduria. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

