SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-GLYCTK antibody

SL13448R

Product Name:	GLYCTK
Chinese Name:	HBeAgBinding protein4/甘油激酶抗体
Alias:	HBEBP2; CG9886 like; GLCTK_HUMAN; Glycerate kinase; Glyctk; GLYCTK; HBeAg binding protein 2; HBeAg binding protein 4; HBeAg-binding protein 4; HBeAgBP4A; HBEBP2; HBEBP4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HBEBP2/GLYCTK:251-350/523
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. [provided by RefSeq, Jan 2009]

Subcellular Location:
Cytoplasm and Cytoplasm. Mitochondrion.

Tissue Specificity:
Widely expressed.

DISEASE:
Defects in GLYCTK are the cause of D-glyceric aciduria (D-GA) [MIM:220120]. D-GA is a rare metabolic disease characterized by chronic metabolic acidosis and a highly variable clinical phenotype. Clinical features range from an encephalopathic presentation with seizures, microcephaly, severe mental retardation and early death, to milder manifestations with only speech delay or even normal development.

Similarity:
Belongs to the glycerate kinase type-2 family.

SWISS:
Q8IVS8

Gene ID:
132158

Database links:

Entrez Gene: 132158Human

Entrez Gene: 235582Mouse

Entrez Gene: 684314Rat

Omim: 610516Human

SwissProt: Q9BE01Cynomolgus Monkey

SwissProt: Q8IVS8Human

SwissProt: Q8QZY2Mouse

SwissProt: Q0VGK3Rat

Unigene: 415312Human

Unigene: 335420Mouse

Unigene: 202605Rat

Important Note:
This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.