

GLCTK Antibody

Catalog No: #33958

Package Size: #33958-1 50ul #33958-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	GLCTK Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total GLCTK protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human GLCTK.
Target Name	GLCTK
Other Names	Glycerate kinase; EC 2.7.1.31; HBeAg-binding protein 4; GLYCTK; HBEBP4
Accession No.	Swiss-Prot: Q8IVS8NCBI Gene ID: 132158
SDS-PAGE MW	60kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

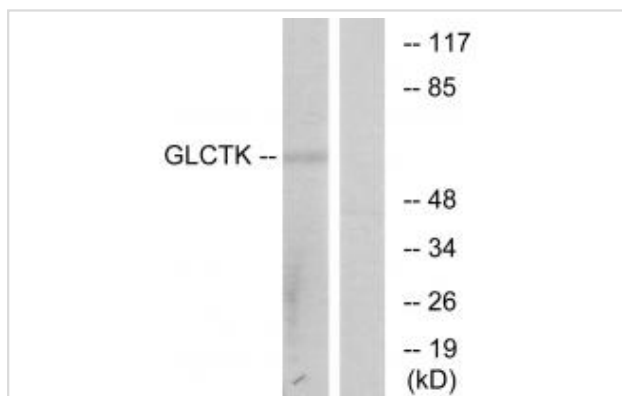
Application Details

Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

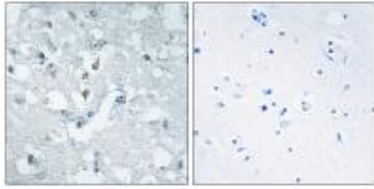
Immunofluorescence: 1:100~1:500

Images

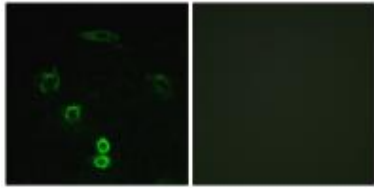


Western blot analysis of extracts from 3T3 cells, using GLCTK antibody #33958.

Immunohistochemistry analysis of paraffin-embedded human brain tissue using GLCTK antibody #33958.



Immunofluorescence analysis of A549 cells, using GLCTK antibody #33958.



Background

Defects in GLYCTK are the cause of D-glyceric aciduria (D-GA). 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. Belongs to the glycerate kinase type-2 family. 7 isoforms of the human protein are produced by alternative splicing.

Guo J.-H., DNA Seq. 17:1-7(2006).

Wan D., Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).

Ota T., Nat. Genet. 36:40-45(2004).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.