G-Biosciences Image not found or type unknown

# Immunotag™ Glycerate Kinase Polyclonal Antibody

## Antibody Specification

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| Catalog No. | ITT1931 |
| Product Description | Immunotag™ Glycerate Kinase Polyclonal Antibody |
| Size | 50 µg, 100 µg |
| Conjugation | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647 |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein | Glycerate Kinase |
| Clonality | Polyclonal |
| Storage/Stability | -20°C/1 year |
| Application | WB,IHC-p,IF,ELISA |
| Recommended Dilution | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Mouse,Rat |
| Host Species | Rabbit |
| Immunogen | Synthesized peptide derived from Glycerate Kinase, at AA range: 70-150 |
| Specificity | Glycerate Kinase Polyclonal Antibody detects endogenous levels of Glycerate Kinase protein. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen |
| Form | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Gene Name | GLYCTK |
| Accession No. | Q8IVS8 Q8QZY2 Q0VGK3 |
| Alternate Names | GLYCTK; HBEBP4; LP5910; Glycerate kinase; HBeAg-binding protein 4 |

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| Description | glycerate kinase(GLYCTK) Homo sapiens 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], |
| Cell Pathway/ Category | Glycine, serine and threonine metabolism,Glycerolipid metabolism,Glyoxylate and dicarboxylate metabolism, |
| Protein Expression | Liver,Lung,Skin, |
| Subcellular Localization | cytoplasm,mitochondrion,cytosol, |
| Protein Function | catalytic activity:ATP + (R)-glycerate = ADP + 3-phospho-(R)-glycerate.,disease:Defects in GLYCTK 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., |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |