

## Phosphoglycerate kinase 1 Polyclonal Antibody

Catalog No: #42053

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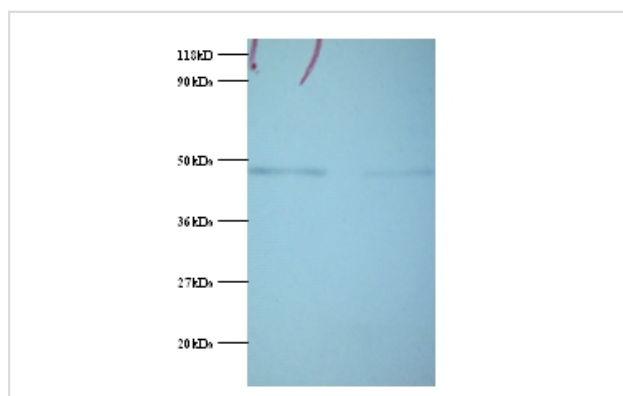
## Description

|                       |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| Product Name          | Phosphoglycerate kinase 1 Polyclonal Antibody                                                 |
| Host Species          | Rabbit                                                                                        |
| Clonality             | Polyclonal                                                                                    |
| Purification          | Caprylic Acid Ammonium Sulfate Precipitation purified                                         |
| Applications          | WB                                                                                            |
| Species Reactivity    | Hu Ms                                                                                         |
| Specificity           | The antibody detects endogenous level of total Phosphoglycerate kinase 1 polyclonal antibody. |
| Immunogen Type        | protein                                                                                       |
| Immunogen Description | Recombinant human Phosphoglycerate kinase 1 protein                                           |
| Target Name           | Phosphoglycerate kinase 1                                                                     |
| Other Names           | PGK1                                                                                          |
| Accession No.         | Swiss-Prot#: P00558                                                                           |
| Uniprot               | P00558                                                                                        |
| GeneID                | 5230;                                                                                         |
| Calculated MW         | 46kd                                                                                          |
| Formulation           | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                 |
| Storage               | Store at -20°C                                                                                |

## Application Details

Western blotting: □1:500 - 1:1000

## Images



All lanes : Phosphoglycerate kinase 1 antibody at 2ug/ml  
 Lane 1 : EC109 whole cell lysate  
 Lane 2 : 293T whole cell lysate  
 Goat polyclonal to Rabbit IgG at 1/15000 dilution  
 Predicted band size : 46kDa  
 Observed band size: 46kDa

## Background

Also known as ATP:3-phosphoglycerate 1-phosphotransferase, this major enzyme in glycolysis catalyzes the reversible conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate, generating one molecule of ATP. In addition to its role as a glycolytic enzyme, PGK-1 appears to act as a polymerase alpha cofactor protein. Defects in PGK1 are generally associated with chronic hemolytic anemia.

## References

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[1] "Isolation and DNA sequence of a full-length cDNA clone for human X chromosome-encoded phosphoglycerate kinase."Michelson A.M., Markham A.F., Orkin S.H.Proc. Natl. Acad. Sci. U.S.A. 80:472-476(1983) [2] "Structure of the human phosphoglycerate kina

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Note: This product is for in vitro research use only