



# PGK2 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-22143                                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>         | Human;Mouse                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>          | PGK2 PGKB                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Name</b>       | Phosphoglycerate kinase 2 (EC 2.7.2.3) (Phosphoglycerate kinase, testis specific)                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>          | Synthesized peptide derived from human protein . at AA range: 80-160                                                                                                                                                                                                                                                                                         |
| <b>Specificity</b>        | PGK2 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                               |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                       |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                        |
| <b>Dilution</b>           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>           |                                                                                                                                                                                                                                                                                                                                                              |
| <b>Observed Band</b>      | 45kD                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cell Pathway</b>       | Cytoplasm .                                                                                                                                                                                                                                                                                                                                                  |
| <b>Tissue Specificity</b> | Mainly found in round spermatids. Localized on the principle piece in the sperm (at protein level). Testis-specific. Expression significantly decreased in the testis of elderly men.                                                                                                                                                                        |
| <b>Function</b>           | catalytic activity:ATP + 3-phospho-D-glycerate = ADP + 3-phospho-D-glyceroyl phosphate.,online information:Phosphoglycerate kinase entry,pathway:Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 2/5.,similarity:Belongs to the phosphoglycerate kinase family.,subunit:Monomer.,tissue specificity:Testis specific., |
| <b>Background</b>         | phosphoglycerate kinase 2(PGK2) Homo sapiens This gene is intronless, arose via retrotransposition of the phosphoglycerate kinase 1 gene, and is expressed specifically in the testis. Initially assumed to be a pseudogene, the encoded protein is actually a functional phosphoglycerate kinase that catalyzes                                             |

**Nanjing BYabscience technology Co.,Ltd**



the reversible conversion of 1,3-bisphosphoglycerate to 3-phosphoglycerate, during the Embden-Meyerhof-Parnas pathway of glycolysis, in the later stages of spermatogenesis.[provided by RefSeq, May 2010],

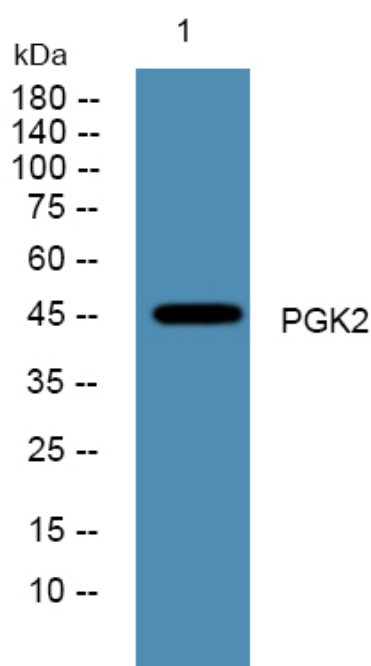
**matters needing attention**

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



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night