

**KD-Validated Anti-Phosphoglycerate Mutase 1 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1698****Specification****KD-Validated Anti-Phosphoglycerate Mutase 1 Rabbit Monoclonal Antibody - Product Information**

|                   |                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB                                                                                                                                                                                                                                                                                                                                                 |
| Primary Accession | <a href="#">P18669</a>                                                                                                                                                                                                                                                                                                                             |
| Reactivity        | Rat, Human, Mouse                                                                                                                                                                                                                                                                                                                                  |
| Clonality         | Monoclonal                                                                                                                                                                                                                                                                                                                                         |
| Isotype           | Rabbit IgG                                                                                                                                                                                                                                                                                                                                         |
| Calculated MW     | Predicted, 29 kDa , o bserved , 29 kDa                                                                                                                                                                                                                                                                                                             |
| Gene Name         | KDa                                                                                                                                                                                                                                                                                                                                                |
| Aliases           | PGAM1<br>Phosphoglycerate Mutase 1; PGAM-B;<br>PGAMA; Phosphoglycerate Mutase A,<br>Nonmuscle Form; Phosphoglycerate<br>Mutase 1 (Brain); Phosphoglycerate<br>Mutase Isozyme B; BPG-Dependent PGAM<br>1; Epididymis Secretory Protein Li 35; EC<br>5.4.2.11; EC 5.4.2.4; EC 5.4.2.1; HEL-S-35<br>A synthesized peptide derived from human<br>PGAM1 |
| Immunogen         |                                                                                                                                                                                                                                                                                                                                                    |

**KD-Validated Anti-Phosphoglycerate Mutase 1 Rabbit Monoclonal Antibody - Additional Information**

|                                                                                                                                                                                                                                                                                                                |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Gene ID                                                                                                                                                                                                                                                                                                        | 5223 |
| <b>Other Names</b>                                                                                                                                                                                                                                                                                             |      |
| Phosphoglycerate mutase 1, 5.4.2.11, 5.4.2.4, BPG-dependent PGAM 1, Phosphoglycerate mutase isozyme B, PGAM-B, PGAM1 ( <a href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=8888" target="_blank">http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=8888</a> )>HGNC:8888</a>), PGAMA |      |

**KD-Validated Anti-Phosphoglycerate Mutase 1 Rabbit Monoclonal Antibody - Protein Information****Name** PGAM1 ([HGNC:8888](#))**Synonyms** PGAMA**Function**

Catalyzes the interconversion of 2-phosphoglycerate and 3- phosphoglycerate a crucial step in glycolysis, by using 2,3- bisphosphoglycerate (PubMed:<a href="http://www.uniprot.org/citations/23653202" target="\_blank">23653202</a>). Also catalyzes the interconversion of (2R)-2,3-bisphosphoglycerate and (2R)-3-phospho- glyceroyl phosphate (PubMed:<a href="http://www.uniprot.org/citations/23653202"

target="\_blank">23653202</a>).

#### Tissue Location

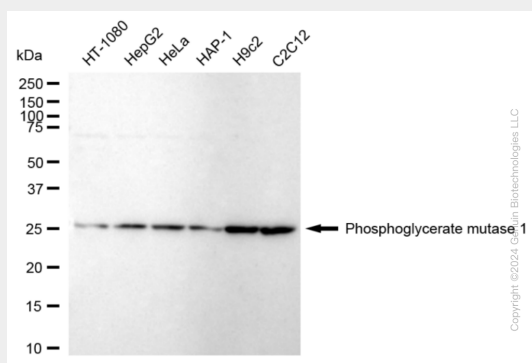
Expressed in the liver and brain. Not found in the muscle.

### KD-Validated Anti-Phosphoglycerate Mutase 1 Rabbit Monoclonal Antibody - Protocols

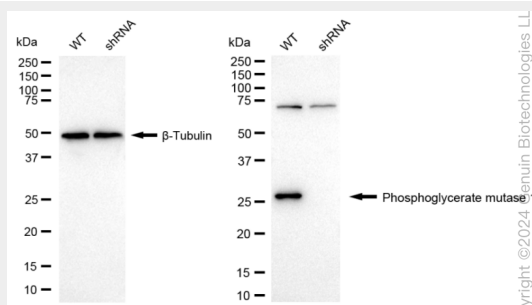
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### KD-Validated Anti-Phosphoglycerate Mutase 1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Phosphoglycerate mutase 1 antibody (Cat#AGI1698). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Phosphoglycerate mutase 1 antibody (Cat#AGI1698, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Phosphoglycerate mutase 1 antibody (Cat#AGI1698). Phosphoglycerate mutase 1 expression in wild type (WT) and Phosphoglycerate mutase 1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Phosphoglycerate mutase 1 antibody (Cat#AGI1698, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.