
Product Name: KD-Validated Phosphoglycerate Mutase 1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00902**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 28.8kDa

Antigen Information

Gene Name	PGAM1
Alternative Names	Phosphoglycerate Mutase 1; PGAM-B; PGAMA; Phosphoglycerate Mutase A, Nonmuscle Form; Phosphoglycerate Mutase 1 (Brain); Phosphoglycerate Mutase Isozyme B; BPG-Dependent PGAM 1; Epididymis Secretory Protein Li 35; EC 5.4.2.11; EC 5.4.2.4; EC 5.4.2.1; HEL-S-35
Gene ID	5223.0
SwissProt ID	P18669
Immunogen	A synthesized peptide derived from human PGAM1

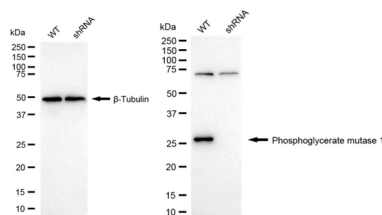
Background

The protein encoded by this gene is a mutase that catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

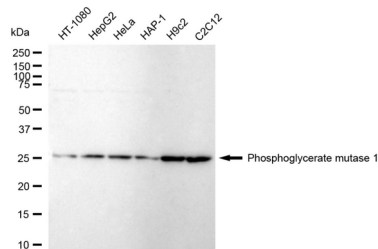
Research Area

Signal Transduction,Cancer,Metabolism

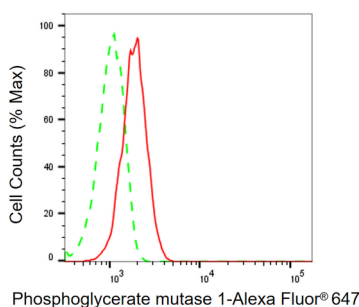
Image Data



Western blotting analysis using Phosphoglycerate mutase 1 antibody (KVA00902). 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 Phosphoglycerate mutase 1 antibody (KVA00902, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Phosphoglycerate mutase 1 antibody (KVA00902). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Phosphoglycerate mutase 1 antibody (KVA00902, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Phosphoglycerate mutase 1 expression in C2C12 cells using Phosphoglycerate mutase 1 antibody (KVA00902, 1:2,000). Green, isotype control; red, Phosphoglycerate mutase 1.