

Product Name: KD-Validated Phosphoglucomutase 3 Mouse Monoclonal Antibody
Catalog #: KVA00430

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:500-1:2,500
Molecular Weight	Calculated MW: 59.9kDa

Antigen Information

Gene Name	PGM3
Alternative Names	PGM3; Phosphoglucomutase 3; AGM1; PAGM; Acetylglucosamine Phosphomutase; Phosphoacetylglucosamine Mutase; DKFZP434B187; EC 5.4.2.3; PGM 3; N-Acetylglucosamine-Phosphate Mutase 1; N-Acetylglucosamine-Phosphate Mutase; Phosphoglucomutase-3; EC 5.4.2; IMD23
Gene ID	5238.0
SwissProt ID	O95394
Immunogen	Recombinant protein of human PGM3

Background

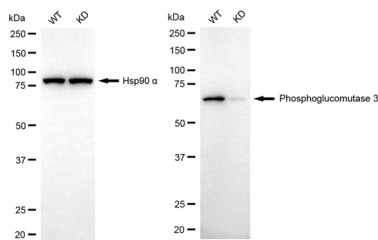
This gene encodes a member of the phosphohexose mutase family. The encoded protein mediates both glycogen formation

and utilization by catalyzing the interconversion of glucose-1-phosphate and glucose-6-phosphate. A non-synonymous single nucleotide polymorphism in this gene may play a role in resistance to diabetic nephropathy and neuropathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]

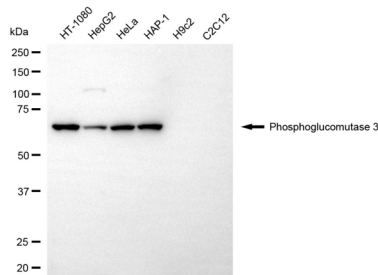
Research Area

Cancer

Image Data



Western blotting analysis using phosphoglucomutase 3 antibody (KVA00430). Phosphoglucomutase 3 expression in wild-type (WT) and phosphoglucomutase 3 (PGM3) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phosphoglucomutase 3 antibody (KVA00430, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using phosphoglucomutase 3 antibody (KVA00430). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phosphoglucomutase 3 antibody (KVA00430, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.