

ARG44466 anti-PGM3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PGM3
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PGM3
Species	Human
Immunogen	Human PGM3 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PGM3; Phosphoglucomutase 3; AGM1; PAGM; Acetylglucosamine Phosphomutase; Phosphoacetylglucosamine Mutase; DKFZP434B187; EC 5.4.2.3

Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10 ⁶
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml

Application Note The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

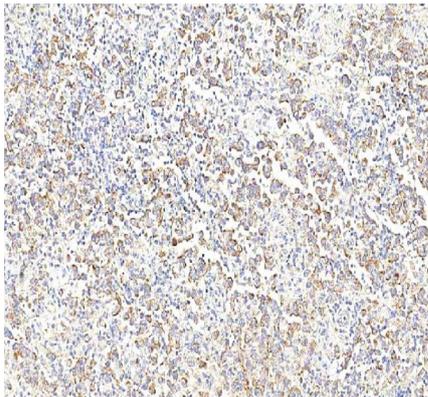
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

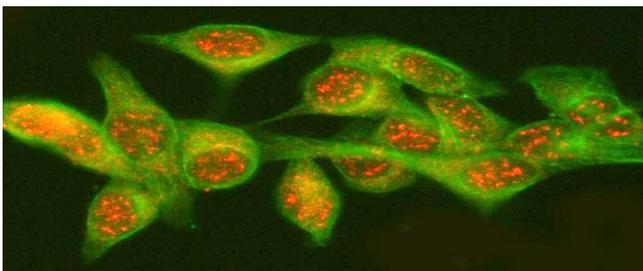
Gene Symbol	PGM3
Gene Full Name	Phosphoglucomutase 3
Background	This gene encodes a member of the phosphohexose mutase family. The encoded protein mediates both glycogen formation and utilization by catalyzing the interconversion of glucose-1-phosphate and glucose-6-phosphate. A non-synonymous single 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.
Function	Catalyzes the conversion of GlcNAc-6-P into GlcNAc-1-P during the synthesis of uridine diphosphate/UDP-GlcNAc, a sugar nucleotide critical to multiple glycosylation pathways including protein N- and O-glycosylation.
Calculated Mw	60 kDa
PTM	Acetylation, Phosphoprotein

Images



ARG44466 anti-PGM3 antibody IHC-P image

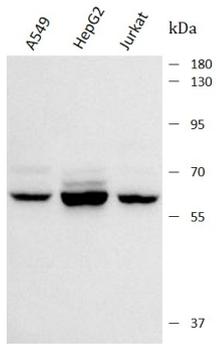
Immunohistochemistry: Human testicular seminoma stained with ARG44466 anti-PGM3 antibody at 2 µg/mL dilution.



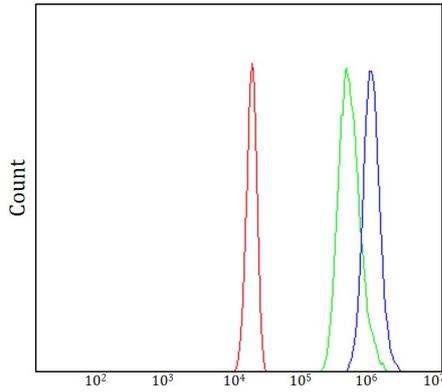
ARG44466 anti-PGM3 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44466 anti-PGM3 antibody at 5 µg/mL dilution.

ARG44466 anti-PGM3 antibody WB image

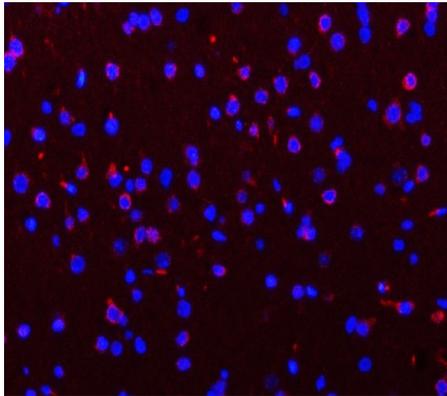


Western blot: A549, HepG2 and Jurkat stained with ARG44466 anti-PGM3 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



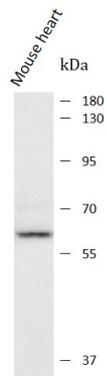
ARG44466 anti-PGM3 antibody FACS image

Flow Cytometry: HepG2 stained with ARG44466 anti-PGM3 antibody at 1 $\mu\text{g}/10^6$ cells dilution.



ARG44466 anti-PGM3 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG44466 anti-PGM3 antibody at 5 $\mu\text{g}/\text{mL}$ dilution.



ARG44466 anti-PGM3 antibody WB image

Western blot: Mouse heart stained with ARG44466 anti-PGM3 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.