

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
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.

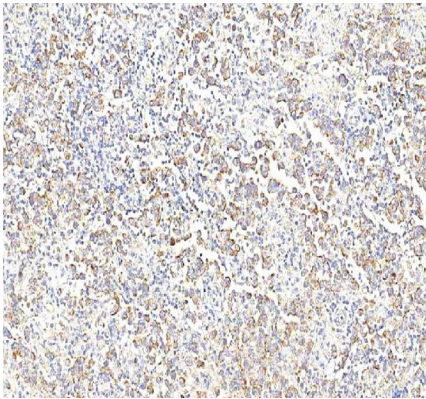
Properties

Form	Liquid
Purification	Affinity purification 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.

Bioinformation

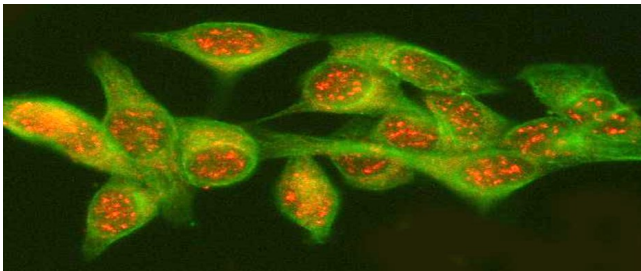
Gene Symbol	PGM3
Gene Full Name	Phosphoglucomutase 3
Background	This gene encodes a member of the phosphohexose mutase family. The encoded protein mediates both glycogen formation and utilization by catalyzing the interconversion of glucose-1-phosphate and glucose-6-phosphate. A non-synonymous single 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



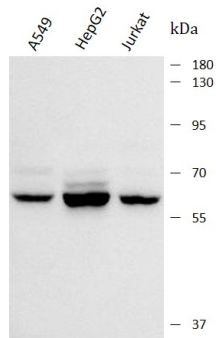
ARG44466 anti-PGM3 antibody IHC-P image

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



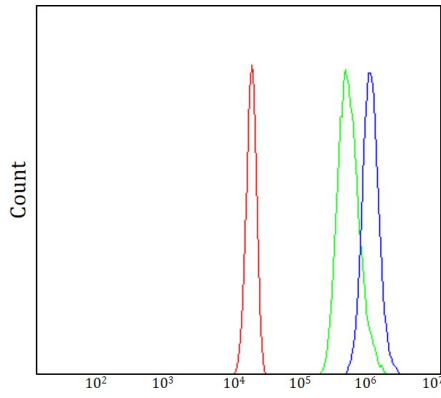
ARG44466 anti-PGM3 antibody ICC/IF image

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



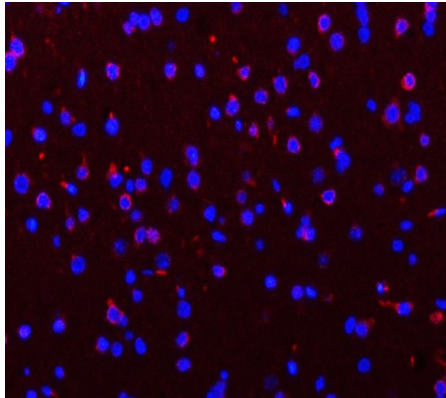
ARG44466 anti-PGM3 antibody WB image

Western blot: A549, HepG2 and Jurkat stained with ARG44466 anti-PGM3 antibody at 0.5 µg/mL dilution.



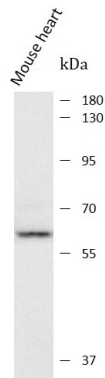
ARG44466 anti-PGM3 antibody FACS image

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.