

ARG43919 anti-PGK2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PGK2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PGK2
Species	Human
Immunogen	Human PGK2 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PGK2; Phosphoglycerate Kinase; Phosphoglycerate Kinase, Testis Specific; PGKPS; EC 2.7.2.3; PGK-2; PGKB; Phosphoglycerate Kinase Autosomal Pseudogene; Epididymis Secretory Protein Li 272; Testicular Tissue Protein Li 139; DJ417L20.2; HEL-S-272

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 ⁶ cells
	ICC/IF	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.	

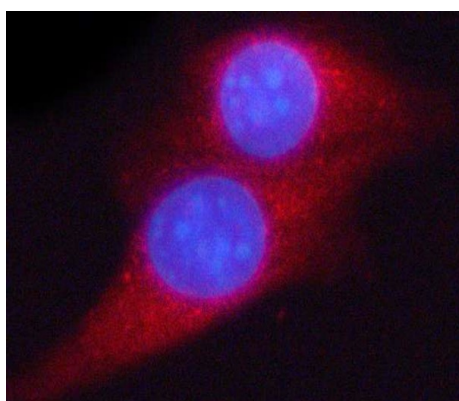
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
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

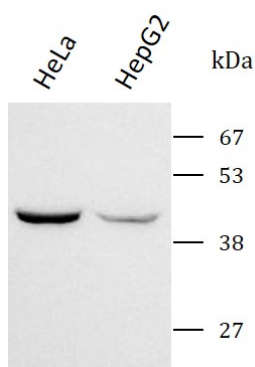
Gene Symbol	PGK2
Gene Full Name	Phosphoglycerate Kinase 2
Background	This gene is intronless, arose via retrotransposition of the phosphoglycerate kinase 1 gene, and is expressed specifically in the testis. Initially assumed to be a pseudogene, the encoded protein is actually a functional phosphoglycerate kinase that catalyzes the reversible conversion of 1,3-bisphosphoglycerate to 3-phosphoglycerate, during the Embden-Meyerhof-Parnas pathway of glycolysis, in the later stages of spermatogenesis.
Function	Essential for sperm motility and male fertility.
Calculated Mw	45 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Cytoplasm

Images



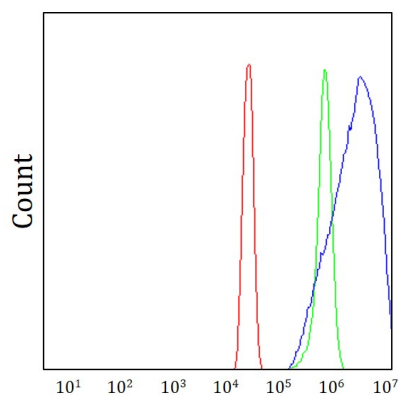
ARG43919 anti-PGK2 antibody ICC/IF image

Immunofluorescence: RM1 cells stained with ARG43919 anti-PGK2 antibody at 5 µg/ml dilution.



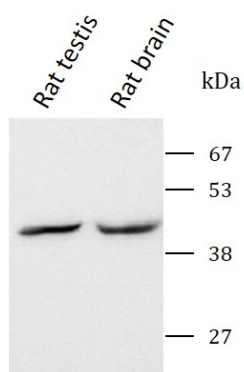
ARG43919 anti-PGK2 antibody WB image

Western blot: HeLa and HepG2 stained with ARG43919 anti-PGK2 antibody at 0.5 µg/mL dilution.



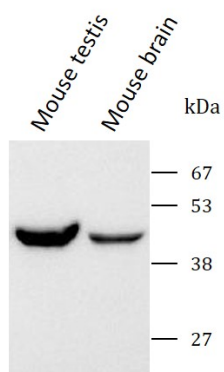
ARG43919 anti-PGK2 antibody FACS image

Flow Cytometry: SiHa cells stained with ARG43919 anti-PGK2 antibody (blue) at $1\text{ }\mu\text{g}/1\times 10^6$ cells dilution.



ARG43919 anti-PGK2 antibody WB image

Western blot: Rat testis and Rat brain stained with ARG43919 anti-PGK2 antibody at $0.5\text{ }\mu\text{g}/\text{mL}$ dilution.



ARG43919 anti-PGK2 antibody WB image

Western blot: Mouse testis and Mouse brain stained with ARG43919 anti-PGK2 antibody at $0.5\text{ }\mu\text{g}/\text{mL}$ dilution.