

## 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 <sup>6</sup> 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 <sub>2</sub> HPO <sub>4</sub> 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.

**Note**

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

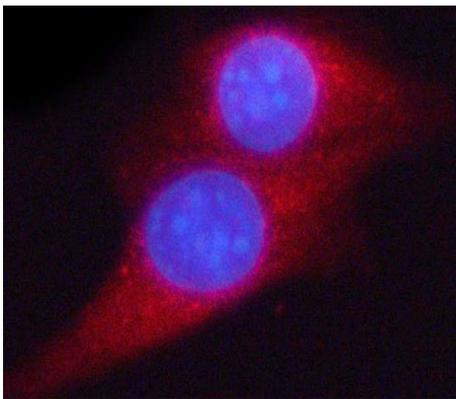
## Bioinformation

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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

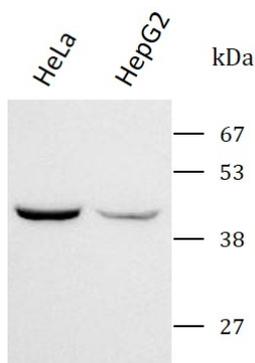
## Images

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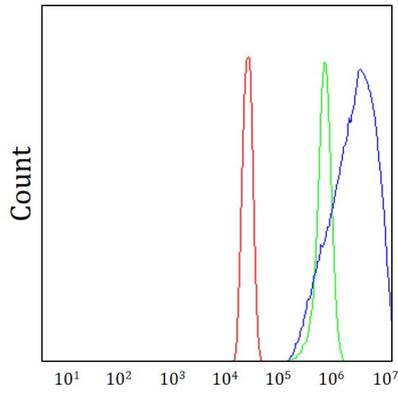
ARG43919 anti-PGK2 antibody ICC/IF image

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



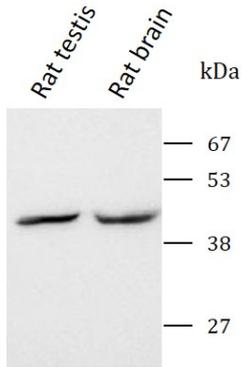
ARG43919 anti-PGK2 antibody WB image

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



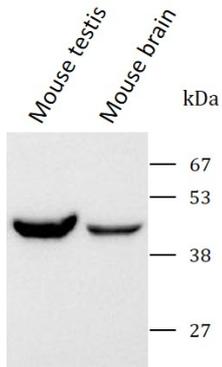
#### ARG43919 anti-PGK2 antibody FACS image

Flow Cytometry: SiHa cells stained with ARG43919 anti-PGK2 antibody (blue) at 1 µg/1x10<sup>6</sup> cells dilution.



#### ARG43919 anti-PGK2 antibody WB image

Western blot: Rat testis and Rat brain stained with ARG43919 anti-PGK2 antibody at 0.5 µg/mL dilution.



#### ARG43919 anti-PGK2 antibody WB image

Western blot: Mouse testis and Mouse brain stained with ARG43919 anti-PGK2 antibody at 0.5 µg/mL dilution.