

ARG45119 anti-PGAM5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PGAM5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PGAM5
Species	Human
Immunogen	Recombinant fusion protein corresponding Human PGAM5.
Conjugation	Un-conjugated
Alternate Names	PGAM5; PGAM Family Member 5, Mitochondrial Serine/Threonine Protein Phosphatase; Phosphoglycerate Mutase Family Member 5; Bcl-XL-Binding Protein V68; BXLbv68; PGAM Family Member 5, Serine/Threonine Protein Phosphatase, Mitochondrial; Serine/Threonine-Protein Phosphatase PGAM5, Mitochondrial; MGC5352; EC 3.1.3.16

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000

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

Properties

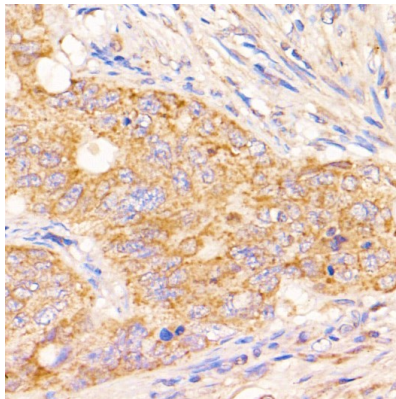
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.05% Proclin300 and 50% Glycerol.
Preservative	0.05% Proclin300
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage 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

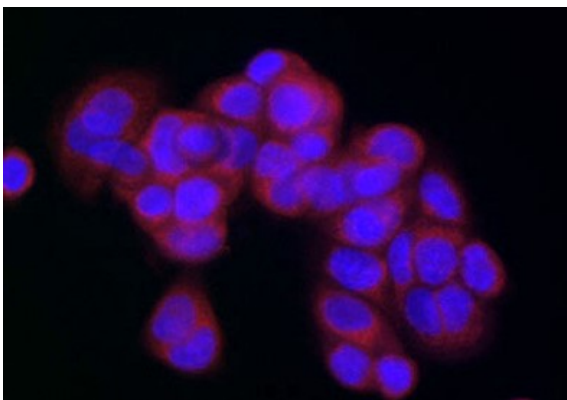
Gene Symbol	PGAM5
Gene Full Name	PGAM Family Member 5, Mitochondrial Serine/Threonine Protein Phosphatase
Background	Enables GTPase activator activity and protein serine/threonine phosphatase activity. Involved in necroptotic process. Located in mitochondrial inner membrane. [provided by Alliance of Genome Resources, Nov 2024]
Function	Regulates necroptosis by acting as a RIPK3 target and recruiting the RIPK1-RIPK3-MLKL necrosis 'attack' complex to mitochondria. [Uniprot]
Calculated Mw	32 kDa
PTM	Acetylation, Phosphoprotein. [Uniprot]
Cellular Localization	Membrane, Mitochondrion, Mitochondrion inner membrane, Mitochondrion outer membrane. [Uniprot]

Images



ARG45119 anti-PGAM5 antibody IHC-P image

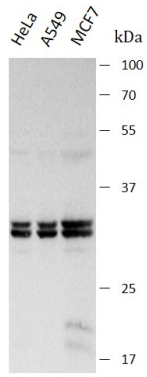
Immunohistochemistry: Human colon carcinoma stained with ARG45119 anti-PGAM5 antibody at 1:20 dilution.



ARG45119 anti-PGAM5 antibody ICC/IF image

Immunofluorescence: MCF7 stained with ARG45119 anti-PGAM5 antibody at 1:20 dilution.

ARG45119 anti-PGAM5 antibody WB image



Western blot: HeLa, A549 and MCF7 stained with ARG45119 anti-PGAM5 antibody at 1:500 dilution.