PGAM5 mouse mAb

Catalog No	YP-mAb-18238
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PGAM5
Immunogen	Synthesized peptide derived from human PGAM5
Specificity	This antibody detects endogenous levels of PGAM5 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Bcl-XL-binding protein v68;BXLBv68;EC:3.1.3.16;Serine/threonine-protein phosphatase PGAM5;mitochondrial;PGAM5;mitochondrial (EC 3.1.3.16) (Bcl-XL-binding protein v68) (Phosphoglycerate mutase family member 5); mitochondrial (EC 3.1.3.16) (Bcl-XL-binding protein v68) (Phosphoglycerate mutase family member 5)
Observed Band	32 kDa
Calculated Molecular Weight	32 kDa
Cell Pathway	Mitochondrion outer membrane ; Single-pass membrane protein . Isoform 2 overexpression results in the formation of disconnected punctuate mitochondria distributed throughout the cytoplasm. Isoform 1 overexpression results in the clustering of mitochondria around the nucleus.
Tissue Specificity	
Function	Displays phosphatase activity for serine/threonine residues, and, dephosphorylates and activates MAP3K5 kinase. Has apparently no phosphoglycerate mutase activity. May be regulator of mitochondrial dynamics. Substrate for a KEAP1-dependent ubiquitin ligase complex. Contributes to the repression of NFE2L2-dependent gene expression. Acts as a central mediator for programmed necrosis induced by TNF, by reactive oxygen species and by

	calcium ionophore.
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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