10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PGAM1 Recombinant Rabbit mAb

Catalog # AP96487

Product Information

Application	WB, IHC-P, IHC-F, IF
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Immunogen	A synthesized peptide derived from human PGAMA1
Epitope Specificity	1-54/254
Isotype	IgG/Kappa
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the phosphoglycerate mutase family. BPG-dependent PGAM subfamily.
SUBUNIT	Homodimer.
Post-translational modifications	Acetylated at Lys-253, Lys-253 and Lys-254 under high glucose condition. Acetylation increases catalytic activity. Under glucose restriction SIRT1 levels dramatically increase and it deacetylates the enzyme.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PGAM1 belongs to the phosphoglycerate mutase family, BPG-dependent PGAM subfamily. It is involved in the interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the reaction.

Additional Information

Other Names	HEL-S-35; PGAM-B; PGAMA; 2310050F24Rik; Pgam-1; Pgmut; PGAM1_HUMAN; PGAM1; BPG-dependent PGAM 1; Phosphoglycerate mutase isozyme B (PGAM-B); 5.4.2.11; 5.4.2.4; PGAM1_MOUSE; PGAM1_RAT; phosphoglycerate mutase 1; phosphoglycerate mutase 1 (brain); Phosphoglycerate mutase A, nonmuscle form
Dilution	WB=1:1000-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	PGAM1 Recombinant Rabbit mAb
Function	Interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the reaction. Can also catalyze the reaction of EC 5.4.2.4 (synthase) and EC 3.1.3.13 (phosphatase), but with a reduced activity.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.