Product Datasheet

PGK1 (Acetyl-Lys388) Antibody

Catalog No: #11599

Package Size: #11599-1 50ul #11599-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PGK1 (Acetyl-Lys388) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IP
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous level of PGK1 only when acetylated at Lysine 388.
Immunogen Type	Peptide
Immunogen Description	Peptide sequence around acetylation site of lysine 388(E-D-K(Acetyl)-V-S) derived from Human PGK1.
Conjugates	Unconjugated
Other Names	MGC117307,MGC142128,MGC8947,MIG10,PGKA
Accession No.	Swiss-Prot#: P00558 NCBI Gene ID: 5230 NCBI mRNA#: NM_000291.3 NCBI Protein#: NP_000282.1
Calculated MW	45KD
Concentration	1.0mg/mL
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB dilution: 1:500~1:1000

IHC dilution: 1:50~1:100

IP dilution: 1:20~1:50

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Background

The PGK1 gene encodes phosphoglycerate kinase-1, also known as ATP:3-phosphoglycerate 1-phosphotransferase (EC 2.7.2.3), which catalyzes the reversible conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate during glycolysis, generating one molecule of ATP. It Belongs to the phosphoglycerate kinase family and defects in PGK1 are the cause of phosphoglycerate kinase 1 deficiency (PGK1D).

References

Xu Qian1,et al. Phosphoglycerate kinase 1 phosphorylates Beclin1 to induce autophagy.Mol Cell. 2017 March 02; 65(5): 917–931.e6. doi:10.1016/j.molcel.2017.01.027. Autho

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.