

PGK1 (Acetyl-K279) Antibody

Catalog No: #SAB624

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Description

Product Name	PGK1 (Acetyl-K279) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human,Mouse
Specificity	PGK1 (Acetyl-K279) Antibody detects endogenous levels of PGK1 only when acetylated at lysine 279.
Immunogen Description	A synthesized peptide derived from human PGK1 around the phosphorylation site of K279.
Other Names	Phosphoglycerate kinase 1,Cell migration-inducing gene 10 protein,Primer recognition protein 2, PRP 2,PGKA
Uniprot	P00558
GeneID	5230
SDS-PAGE MW	45kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

Background

Catalyzes one of the two ATP producing reactions in the glycolytic pathway via the reversible conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate (PubMed:30323285, PubMed:7391028). In addition to its role as a glycolytic enzyme, it seems that PGK-1 acts as a polymerase alpha cofactor protein (primer recognition protein) (PubMed:2324090). May play a role in sperm motility (PubMed:26677959).

Note: This product is for in vitro research use only