Data Sheet (Cat.No.TMAC-03176)

Anti-Acetyl-PGK1 (Lys388) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 45 kDa.

Applications

Verified Activity:	The indicated His-PGK1 proteins immobilized on Ni-NTA agarose beads was incubated with Flag-ARD1 and Ac-CoA, followed by incubation with purified GST-Beclin1 or GST-Beclin1 S30A, in the presence of [γ-32P] ATP. Autoradiography was performed.
Application:	IHC,IP,WB
Recommended	WB: 1:500-1000; IHC: 1:50-100; IP: 1:20-50

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around acetylation site of lysine 388(E-D-K(Acetyl)-V-S) derived from Human PGK1
Antigen Species:	human
Uniprot ID:	P00558
Synonyms:	Acetyl-PGK1 (K388);Ac-PGK1 (Lys388);Ac-PGK1K388;PGK1K388-acetylated;Ac-PGK1 (K388); PGK1K388ac

Research 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).

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