

Mouse anti-Human PGK1 Monoclonal Antibody | anti-PGK1 antibody

PGK1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48189	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PGK1; Monoclonal Antibody; PGK1 antibody; Phosphoglycerate kinase 1; Pgk-1; anti-PGK1 antibody

PRODUCT SPECIFICATIONS

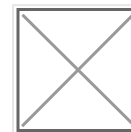
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	AT2F4
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	417
Applicable Applications for anti-PGK1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human PGK1 (1-417aa) purified from E. coli
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PGK1 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PGK1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PGK1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate Lane 2. : LNCaP cell lysate Lane 3. : A549 cell lysate Lane 4. : HepG2 cell lysate Lane 5. : 293T cell lysate Lane 6. : K562 cell lysate Lane 7. : Jurkat cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PGK1 antibody

Phosphoglycerate kinase 1 (PGK1) is an X-linked enzyme that plays a key role in the glycolytic pathway. The gene encoding the erythrocyte enzyme PGK1 and it seems that PGK-1 acts as a polymerase alpha cofactor protein (primer recognition protein) as a glycolytic enzyme role. The PGK1 catalyzes the reversible conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate during glycolysis, generating one molecule of ATP.

Product Categories/Family for anti-PGK1 antibody	Signal Transduction; Metabolism
References	Svaasand EK., et al. (2007) Muscle Nerve. 36 (5): 679-684. ; Valentin C., et al. (1998) Hum Mutat. 12 (4): 280-287.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505763
NCBI GeneID	5230
NCBI Accession #	NP_000282
NCBI GenBank Nucleotide #	NM_000291.3
UniProt Accession #	P00558; Q5J7W1; Q6IBT6; Q8NI87; A8K4W6; B7Z7A9
NCBI Official Full Name	phosphoglycerate kinase 1
NCBI Official Synonym Full Names	phosphoglycerate kinase 1
NCBI Official Symbol	PGK1
NCBI Official Synonym Symbols	PGKA; MIG10; HEL-S-68p
NCBI Protein Information	phosphoglycerate kinase 1
UniProt Protein Name	Phosphoglycerate kinase 1
UniProt Gene Name	PGK1
UniProt Synonym Gene Names	PGKA; PRP 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pgk1-antibody-clone-at2f4-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48189>