

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

PKLR antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48092	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

PKLR; Monoclonal Antibody; PKLR antibody; Pyruvate kinase isozymes R/L; PK1; PKL; PKR; PKRL; RPK; anti-PKLR antibody

PRODUCT SPECIFICATIONS

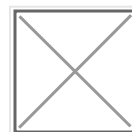
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT1E3
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	574
Applicable Applications for anti-PKLR antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PKLR (47-574aa) purified from E. coli
Clone Note	Anti-human PKLR mAb, clone AT1E3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PKLR protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PKLR in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PKLR antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of PKLR in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PKLR antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PKLR antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PKLR (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Balb-3T3 cell lysate Lane 2.: HeLa cell lysate Lane 3.: Raji cell lysate Lane 4.: K562 cell lysate Lane 5.: A549 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PKLR antibody	PKLR is a pyruvate kinase that catalyzes the transphosphorylation of phohsphoenolpyruvate into pyruvate and ATP, which is the rate-limiting step of glycolysis. The PKLR gene encodes the L- and R-type isoenzymes through alternative splicing events under the control of different promoters. The L-type isoform also exists as a tetramer and is upregulated by glucose with implications in maturity-onset diabetes of the young.
Product Categories/Family for anti-PKLR antibody	Signal Transduction
References	Meza NW., et al. (2009). Mol Ther. 17 (12):2000-9.; Roy MF., et al. (2007). J Exp Med. 204 (12):2949-61.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835121
NCBI GeneID	5313
NCBI Accession #	NP_000289
NCBI GenBank Nucleotide #	NM_000298.5
UniProt Accession #	P30613; O75758; P11973
Molecular Weight	58,494 Da
NCBI Official Full Name	pyruvate kinase PKLR isoform 1
NCBI Official Synonym Full Names	pyruvate kinase L/R
NCBI Official Symbol	PKLR
NCBI Official Synonym Symbols	PK1; PKL; PKR; RPK; PKRL
NCBI Protein Information	pyruvate kinase PKLR
UniProt Protein Name	Pyruvate kinase PKLR
UniProt Gene Name	PKLR
UniProt Synonym Gene Names	PK1; PKL

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/pklr-antibody-clone-at1e3-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48092>