

Rabbit anti-Human PKLR Polyclonal Antibody | anti-PKLR antibody

PKLR Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288937	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

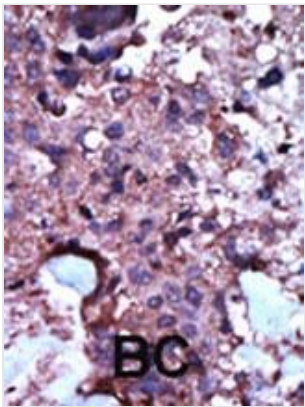
PRODUCT SYNONYMS

PKLR; Polyclonal Antibody; PKLR Antibody (N-term); Pyruvate kinase PKLR; Pyruvate kinase 1; Pyruvate kinase isozymes L/R; R-type/L-type pyruvate kinase; Red cell/liver pyruvate kinase; PK1; PKL; anti-PKLR antibody

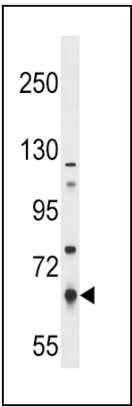
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKLR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PKLR.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-30
Sequence Length	543
Applicable Applications for anti-PKLR antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

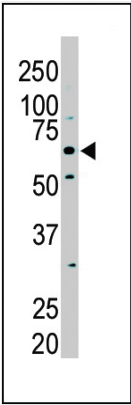
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
PKLR Antibody (S8) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PKLR antibody detected the PKLR protein (arrow).



WB (Western Blot)
The anti-PKLR Pab is used in Western blot to detect PKLR in NIH/3T3 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-PKLR antibody	PKLR is a pyruvate kinase that catalyzes the production of phosphoenolpyruvate from pyruvate and ATP. Defects in this enzyme, due to gene mutations or genetic variations, are the common cause of chronic hereditary nonspherocytic hemolytic anemia (CNSHA or HNSHA).
Product Categories/Family for anti-PKLR antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Wang, H., et al., Diabetes 51(9):2861-2865 (2002). Valentini, G., et al., J. Biol. Chem. 277(26):23807-23814 (2002). Mateu, E., et al., Hum. Genet. 110(6):532-544 (2002). Indo, Y., et al., Hum. Mutat. 18(4):308-318 (2001). Acan, N.L., et al., J. Enzym. Inhib. 16(5):457-464 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835121
NCBI GeneID	5313
NCBI Accession #	NP_000289.1; NP_870986.1
NCBI GenBank Nucleotide #	NM_000298.5
UniProt Accession #	P30613; O75758; P11973
Molecular Weight	61830

NCBI Official Full Name	pyruvate kinase PKLR isoform 1
NCBI Official Synonym Full Names	pyruvate kinase, liver and RBC
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
UniProt Entry Name	KPYR_HUMAN

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://www.aaabiotech.com/polyclonal/pklr-antibody-immunohistochemistry-western-blot-elisa/288937>