

For Research Use Only

PKLR Recombinant antibody

Catalog Number: 86485-1-RR



Basic Information

Catalog Number:	86485-1-RR	GenBank Accession Number:	BC025737	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	5313	CloneNo.:	251231F12
Source:	Rabbit	UNIPROT ID:	P30613	Recommended Dilutions:	WB: 1:2000-1:10000
Isotype:	IgG	Full Name:	pyruvate kinase, liver and RBC		
Immunogen Catalog Number:	AG17933	Calculated MW:	574 aa, 62 kDa		
		Observed MW:	58-62 kDa		

Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB: HepG2 cells, MCF-7 cells
Species Specificity:	

human

Background Information

PKLR(Pyruvate kinase isozymes R/L) is also named as PK1,PKL,which is a glycolytic enzyme that catalyzes the transphosphorylation from phosphoenolpyruvate (PEP) to ADP, yielding pyruvate and ATP. It is the last step of the glycolytic pathway and is essentially irreversible.It belongs to the pyruvate kinase family and There are 4 isozymes of pyruvate kinase in mammals: L, R, M1 and M2. L type is major isozyme in the liver, R is found in red cells, M1 is the main form in muscle, heart and brain, and M2 is found in early fetal tissues.Defects in PKLR are the cause of pyruvate kinase hyperactivity (PKHYP) and pyruvate kinase deficiency of red cells (PKRD).It can form a homotetramer(PMID:11960989).

Storage

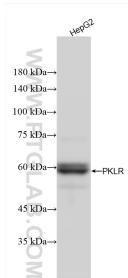
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

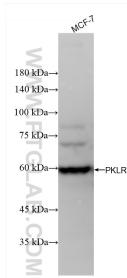
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
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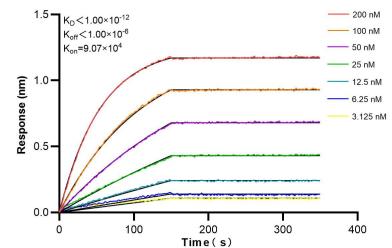
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 86485-1-RR (PKLR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



MCF-7 cells were subjected to SDS PAGE followed by western blot with 86485-1-RR (PKLR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86485-1-RR against Human PKLR were performed. The affinity constant is below 1 pM.