ARG56998
anti-PKLR antibody [1E3]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1E3] recognizes PKLR
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	1E3
Isotype	IgG1, kappa
Target Name	PKLR
Species	Human
Immunogen	Recombinant fragment around aa. 47-574 of Human PKLR.
Conjugation	Un-conjugated
Alternate Names	PKR; PKRL; PK1; Pyruvate kinase isozymes L/R; R-type/L-type pyruvate kinase; Pyruvate kinase PKLR; Pyruvate kinase 1; EC 2.7.1.40; RPK; Red cell/liver pyruvate kinase; PKL

Application Instructions

Application table

Application	Dilution
WB	1:500

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

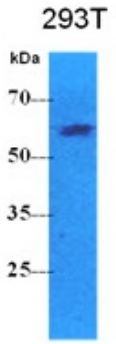
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

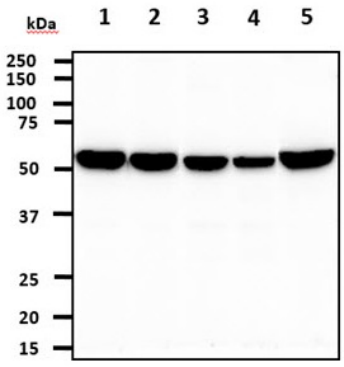
Database links	GeneID: 5313 Human Swiss-port # P30613 Human
Gene Symbol	PKLR
Gene Full Name	pyruvate kinase, liver and RBC
Background	The protein encoded by this gene is a pyruvate kinase that catalyzes the transphosphorylation of phohsphoenolpyruvate into pyruvate and ATP, which is the rate-limiting step of glycolysis. Defects in this enzyme, due to gene mutations or genetic variations, are the common cause of chronic hereditary nonspherocytic hemolytic anemia (CNSHA or HNSHA). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Plays a key role in glycolysis. [UniProt]
Calculated Mw	62 kDa

Images



ARG56998 anti-PKLR antibody [1E3] WB image

Western blot: 40 µg of 293T cell lysate stained with ARG56998 anti-PKLR antibody [1E3] at 1:500.



ARG56998 anti-PKLR antibody [1E3] WB image

Western blot: 40 µg of 1) Balb-3T3 cell lysate, 2) HeLa cell lysate, 3) Raji cell lysate, 4) K562 cell lysate, 5) A549 cell lysate. stained with ARG56998 anti-PKLR antibody [1E3] at 1:500.