

PDK4 Rabbit Polyclonal Antibody

Catalog No: RA20341

Basic Information

Host species	Rabbit
Applications	WB
Species Cross-Reactivity	H,M,R
Specificity	Antibody can detects endogenous Human, Mouse, Rat PDK4 protein.
Recommended dilutions	WB:1:1,000-2,000 Optimal dilutions should be determined by the end user.

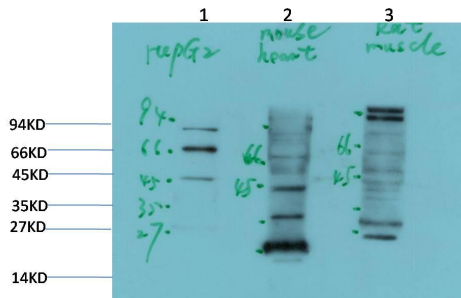
Applications

Formulation	Antigen Affinity Purified IgG in PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Polyclonal

Background

Alternative Names	FLJ40832, mitochondrial, Pyruvate dehydrogenase kinase 4
Observed band	46
Human Gene ID	5166
Human Swiss-Prot Number	Q16654
Background	Pyruvate dehydrogenase kinase isoform4 (PDK4) is also named as PDHK4 and belongs to the PDK/BCKDK protein kinase family. It is upregulated by starvation in many tissues of the body during starvation. This causes inactivation of the pyruvate dehydrogenase complex which blocks pyruvate oxidation and conserves lactate and alanine for gluconeogenesis.

Selected Validation Data



Western blot analysis of 1) HepG2 Cell Lysate, 2) Mouse Heart Tissue Lysate, 3) Rat Muscle Tissue Lysate using PDK4 Rabbit pAb diluted at 1:2,000.