Product Name: PDP2 Rabbit Polyclonal Antibody
Catalog #: APRab15930
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
Molecular Weight	59kDa

Antigen Information

Gene Name	PDP2
Alternative Names	PDP2; KIAA1348; [Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 2, mitochondrial; PDP 2; Pyruvate dehydrogenase phosphatase catalytic subunit 2; PDPC 2
Gene ID	57546.0
SwissProt ID	Q9P2J9
Immunogen	Synthesized peptide derived from PDP2 . at AA range: 70-150

Background

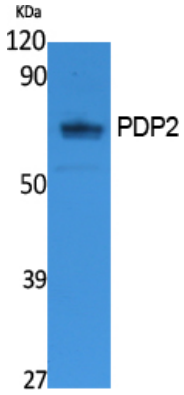
This gene is a mitochondrial protein that functions as a phosphatase and is involved in the enzymatic resetting of the pyruvate

dehydrogenase complex. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2016],catalytic activity:[Pyruvate dehydrogenase (acetyl-transferring)] phosphate + H(2)O = [pyruvate dehydrogenase (acetyl-transferring)] + phosphate.,cofactor:Binds 2 magnesium ions per subunit.,function:Catalyzes the dephosphorylation and concomitant reactivation of the alpha subunit of the E1 component of the pyruvate dehydrogenase complex.,similarity:Belongs to the PP2C family.,subunit:Heterodimer of a catalytic subunit and a FAD protein of unknown function.,

Research Area

Tags & Cell Markers; Subcellular Markers; Organelles; Mitochondria; Signal Transduction; Metabolism; Energy Metabolism; Pathways and Processes; Mitochondrial Metabolism; Mitochondrial markers; Metabolic signaling pathways; Energy transfer pathways

Image Data



Western Blot analysis of extracts from K562 cells, using PDP2 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000