



PDP2 Monoclonal Antibody

Catalog No	YP-mAb-15040
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PDP2
Immunogen	Synthesized peptide derived from PDP2 . at AA range: 70-150
Specificity	PDP2 Monoclonal Antibody detects endogenous levels of PDP2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PPM2B;PDPC 2;PPM2C2;PDP2;[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 2 mitochondrial;KIAA1348;[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 2;mitochondrial;PDP 2;Pyruvate dehydrogenase phosphatase catalytic subunit 2; mitochondrial
Observed Band	59kD
Calculated Molecular Weight	59kD
Cell Pathway	Mitochondrion matrix .
Tissue Specificity	Brain,
Function	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.,

**Background**

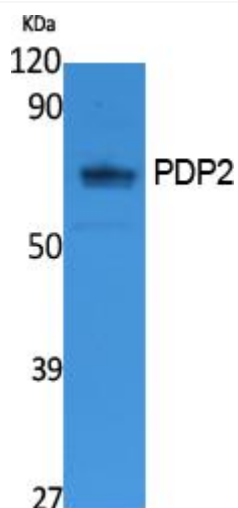
This gene is a mitochondrial protein that functions as a phosphatase and is involved in the enzymatic resetting of the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2016],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis of various cells using PDP2 Monoclonal Antibody