

PDP2 Polyclonal Antibody

Catalog No :	YT5074
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	PDP2
Gene Name :	PDP2
Protein Name :	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 2 mitochondrial
Human Gene Id :	57546
Human Swiss Prot No :	Q9P2J9
Immunogen :	Synthesized peptide derived from PDP2 . at AA range: 70-150
Specificity :	PDP2 Polyclonal Antibody detects endogenous levels of PDP2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	59kD
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],

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.,

Subcellular

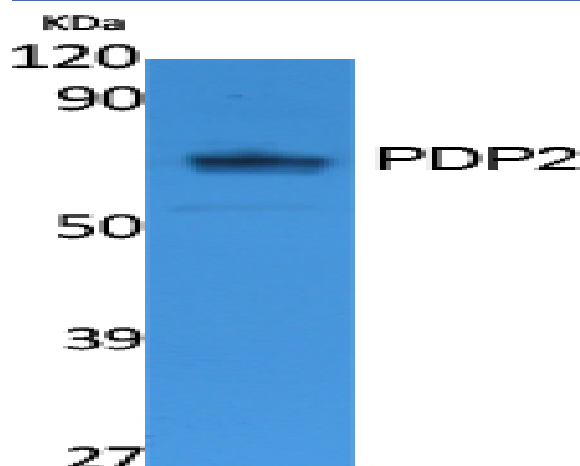
Location :

Mitochondrion matrix .

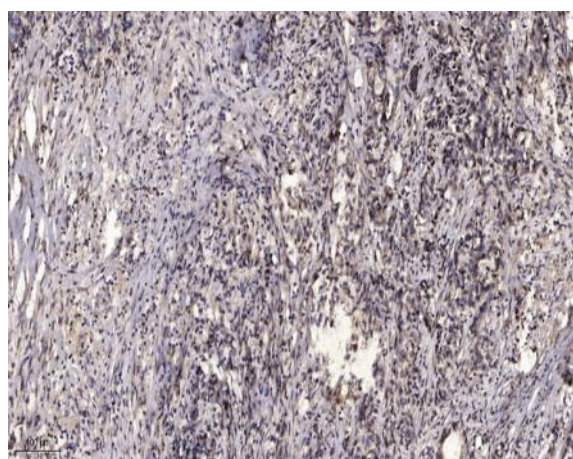
Expression :

Brain,

Products Images



Western Blot analysis of extracts from K562 cells, using PDP2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).