Rabbit PDP1 Polyclonal Antibody | anti-PDP1 antibody

PDP1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA178971	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

PDP1; Polyclonal Antibody; PDP1 Polyclonal Antibody; PDH; PDP; PDPC; PPM2A; PPM2C; anti-PDP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-PDP1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human PDP1
Research Area	Cancer, Metabolism, Signal Transduction
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of L929 cells using PDP1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

WB (Western Blot)
Western blot analysis of extracts of various cell lines using PDP1 Polyclonal Antibody at 1:3000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PDP1 antibody	Pyruvate dehydrogenase (E1) is one of the three components (E1, E2, and E3) of the large pyruvate dehydrogenase complex. Pyruvate dehydrogenase kinases catalyze phosphorylation of serine residues of E1 to inactivate the E1 component and inhibit the complex. Pyruvate dehydrogenase phosphatases catalyze the dephosphorylation and activation of the E1 component to reverse the effects of pyruvate dehydrogenase kinases. Pyruvate dehydrogenase phosphatase is heterodimer consisting of catalytic and regulatory subunits. Two catalytic subunits have been reported; one is predominantly expressed in skeletal muscle and another one is is much more abundant in the liver. The catalytic subunit, encoded by this gene, is the former, and belongs to the protein phosphatase 2C (PP2C) superfamily. Along with the pyruvate dehydrogenase complex and pyruvate dehydrogenase kinases, this enzyme is located in the mitochondrial matrix. Mutation in this gene causes pyruvate dehydrogenase phosphatase deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Product Categories/Family for anti-PDP1 antibody	Antibodies; Primary Antibodies; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	239985422
NCBI GeneID	54704
NCBI Accession #	NP_001155251.1
NCBI GenBank Nucleotide #	NM_001161779.1
UniProt Accession #	Q9P0J1; Q5U5K1; B3KX71; J3KPU0
Molecular Weight	63,695 Da
NCBI Official Full Name	pyruvate dehyrogenase phosphatase catalytic subunit 1 isoform 2
NCBI Official Synonym Full Names	pyruvate dehyrogenase phosphatase catalytic subunit 1
NCBI Official Symbol	PDP1
NCBI Official Synonym Symbols	PDH; PDP; PDPC; PPM2A; PPM2C
NCBI Protein Information	pyruvate dehyrogenase phosphatase catalytic subunit 1
UniProt Protein Name	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial
UniProt Gene Name	**PDP1**
UniProt Synonym Gene Names	PDP; PPM2C; PDP 1; PDPC 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/pdp1-antibody-immunofluorescence-western-blot-elisa/178971