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Anti-PDP1 Antibody

Catalog # AP60198

Product Information

Application	WB, IF/IC
Primary Accession	Q9P0J1
Reactivity	Human, Mouse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61054

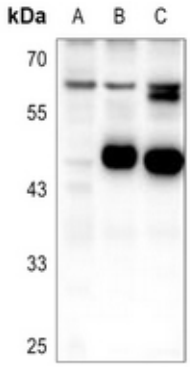
Additional Information

Gene ID	54704
Other Names	PDP; PPM2C; [Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1 mitochondrial; PDP 1; Protein phosphatase 2C; Pyruvate dehydrogenase phosphatase catalytic subunit 1; PDPC 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PDP1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

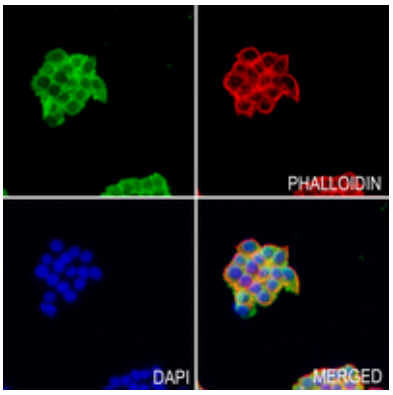
Protein Information

Name	PDP1 (HGNC:9279)
Synonyms	PDP, PPM2C
Function	Mitochondrial enzyme that catalyzes the dephosphorylation and concomitant reactivation of the alpha subunit of the E1 component of the pyruvate dehydrogenase complex (PDC), thereby stimulating the conversion of pyruvate into acetyl-CoA.
Cellular Location	Mitochondrion.

Images



Western blot analysis of PDP1 expression in A549 (A), rat lung (B), mouse lung (C) whole cell lysates. (Predicted band size: 61; 63 kD; Observed band size: 61; 63 kD)



Immunofluorescent analysis of PDP1 staining in MDAMB231 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.