

KO-Validated Anti-PDP1 Mouse Oligoclonal Antibody
Mouse oligoclonal antibody
Catalog # AGI2422**Specification****KO-Validated Anti-PDP1 Mouse Oligoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	Q9P0J1
Reactivity	Rat, Human, Mouse
Clonality	Oligoclonal
Isotype	Mouse IgG
Calculated MW	Predicted, 61 kDa; observed, 53-60 kDa
Gene Name	KDa
Aliases	PDP1 PDP1; Pyruvate Dehydrogenase Phosphatase Catalytic Subunit 1; PDP; PPM2A; PPM2C; PDH; [Pyruvate Dehydrogenase [Acetyl-Transferring]]-Phosphatase 1, Mitochondrial; Protein Phosphatase 2C, Magnesium-Dependent, Catalytic Subunit; Protein Phosphatase, Mg2+/Mn2+ Dependent 2A; EC 3.1.3.43; PDPC 1; Pyruvate Dehydrogenase (Lipoamide) Phosphatase-Phosphatase; Pyruvate Dehydrogenase Phosphatase Catalytic Subunit 1; Protein Phosphatase 2C; EC 3.1.3; PDP 1; PDPC
Immunogen	Recombinant protein of human PDP1

KO-Validated Anti-PDP1 Mouse Oligoclonal Antibody - Additional Information

Gene ID	54704
Other Names	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial, PDP 1, 3.1.3.43, Protein phosphatase 2C, Pyruvate dehydrogenase phosphatase catalytic subunit 1, PDPC 1, PDP1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=9279 target="_blank">HGNC:9279), PDP, PPM2C

KO-Validated Anti-PDP1 Mouse Oligoclonal Antibody - 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.

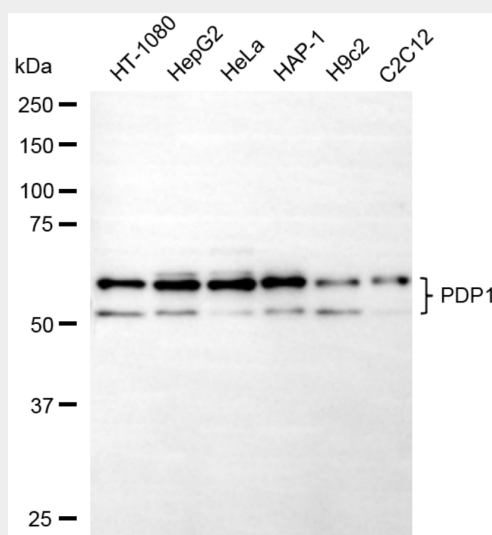
Cellular Location
Mitochondrion.

KO-Validated Anti-PDP1 Mouse Oligoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

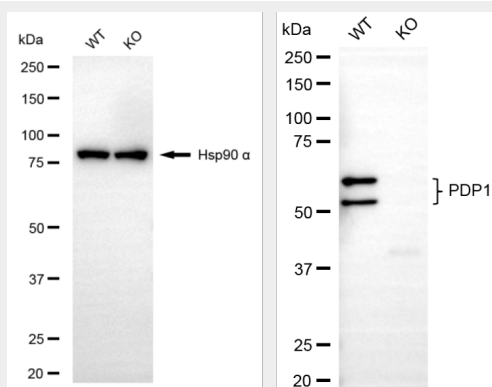
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KO-Validated Anti-PDP1 Mouse Oligoclonal Antibody - Images



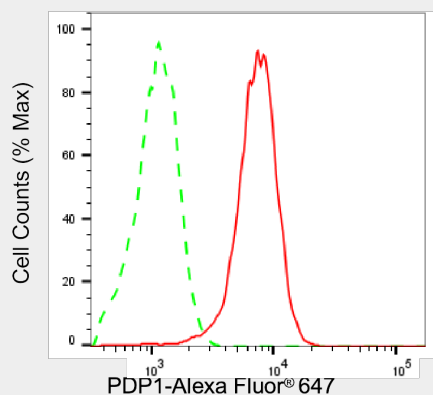
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Western blotting analysis using anti-PDP1 antibody (Cat#AGI2422). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PDP1 antibody (Cat#AGI2422, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



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Western blotting analysis using anti-PDP1 antibody (Cat#AGI2422). PDP1 expression in wild type (WT) and PDP1 knockout (KO) HT-1080 cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-PDP1 antibody (Cat#AGI2422, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Flow cytometric analysis of PDP1 expression in HepG2 cells using anti-PDP1 antibody (Cat#AGI2422, 1:2,000). Green, isotype control; red, PDP1.