

POLDIP2 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7626B**Specification**

POLDIP2 Antibody (C-term) - Product Information

Application	WB, FC,E
Primary Accession	O9Y2S7
Other Accession	O91VA6
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42033
Antigen Region	320-349

POLDIP2 Antibody (C-term) - Additional Information**Gene ID** 26073**Other Names**

Polymerase delta-interacting protein 2, 38 kDa DNA polymerase delta interaction protein, p38, POLDIP2, PDIP38, POLD4

Target/Specificity

This POLDIP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 320-349 amino acids from the C-terminal region of human POLDIP2.

Dilution

WB~~1:1000

FC~~1:10~50

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

POLDIP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

POLDIP2 Antibody (C-term) - Protein Information**Name** POLDIP2 {ECO:0000303|PubMed:26984527, ECO:0000312|HGNC:HGNC:23781}

Function Involved in DNA damage tolerance by regulating translesion synthesis (TLS) of templates carrying DNA damage lesions such as 8oxoG and abasic sites (PubMed:[24191025](#)). May act by stimulating activity of DNA polymerases involved in TLS, such as PRIMPOL and polymerase delta (POLD1) (PubMed:[24191025](#), PubMed:[26984527](#)).

Cellular Location

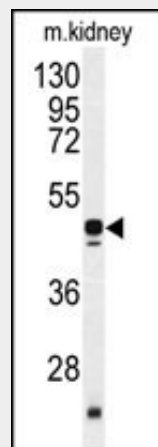
Mitochondrion matrix. Nucleus Note=Mainly localizes to the mitochondrial matrix; a small fraction localizes in the nucleus.

POLDIP2 Antibody (C-term) - Protocols

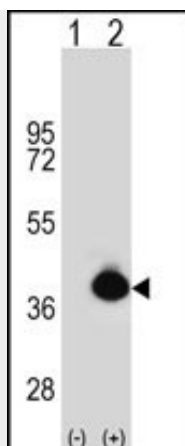
Provided below are standard protocols that you may find useful for product applications.

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

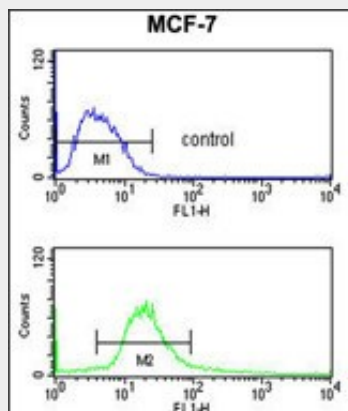
POLDIP2 Antibody (C-term) - Images



Western blot analysis of POLDIP2 antibody (C-term) (Cat.#AP7626b) in mouse kidney tissue lysates (35ug/lane). POLDIP2 (arrow) was detected using the purified Pab.



Western blot analysis of POLDIP2 (arrow) using rabbit polyclonal POLDIP2 Antibody (C-term) (Cat. #AP7626b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the POLDIP2 gene.



POLDIP2 Antibody (C-term) (Cat. #AP7626b) flow cytometry analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

POLDIP2 Antibody (C-term) - Background

POLDIP2 is a protein that interacts with the DNA polymerase delta p50 subunit. This protein also interacts with proliferating cell nuclear antigen. Some transcripts of POLDIP2 gene overlap in a tail-to-tail orientation with the gene for tumor necrosis factor, alpha-induced protein 1 (TNFAIP1).

POLDIP2 Antibody (C-term) - References

Bogenhagen, D.F., J. Biol. Chem. 283 (6), 3665-3675 (2008)
Klaile, E., J. Biol. Chem. 282 (36), 26629-26640 (2007)
Cheng, X., J. Biochem. 138 (6), 673-678 (2005)