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POLDIP2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7626c

Specification

POLDIP2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9Y2S7
Other Accession	Q91VA6
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**42033**
Antigen Region	**105-133**

POLDIP2 Antibody (Center) - 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 105-133 amino acids from the Central region of human POLDIP2.

Dilution
WB~~1:1000

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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

POLDIP2 Antibody (Center) - 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).

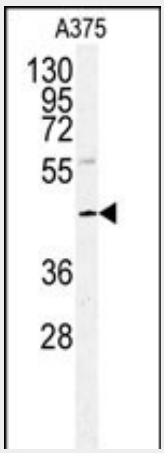
Cellular Location
Mitochondrion matrix. Nucleus Note=Mainly localizes to the mitochondrial matrix; a small fraction localizes in the nucleus.

POLDIP2 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

POLDIP2 Antibody (Center) - Images



Western blot analysis of POLDIP2 antibody (Center) (Cat.#AP7626c) in A375 cell line lysates (35ug/lane). POLDIP2 (arrow) was detected using the purified Pab.

POLDIP2 Antibody (Center) - 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 (Center) - References

Cheng,X., Kanki,T. J. Biochem. 138 (6), 673-678 (2005)
Liu,L., Rodriguez-Belmonte,E.M. J. Biol. Chem. 278 (12), 10041-10047 (2003)