

**POLDIP2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7626b****Specification**

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**POLDIP2 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9Y2S7](#)**POLDIP2 Antibody (C-term) Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP7626b](/products/AP7626b) was selected from the C-term region of human POLDIP2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**POLDIP2 Antibody (C-term) Blocking Peptide - 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](http://www.uniprot.org/citations/24191025)). May act by stimulating activity of DNA polymerases involved in TLS, such as PRIMPOL and polymerase delta (POLD1) (PubMed: [24191025](http://www.uniprot.org/citations/24191025), PubMed: [26984527](http://www.uniprot.org/citations/26984527)).

**Cellular Location**

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

**POLDIP2 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**POLDIP2 Antibody (C-term) Blocking Peptide - Images****POLDIP2 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)