

POLL Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9939b**Specification**

POLL Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9UGP5](#)**POLL Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 27343

Other Names

DNA polymerase lambda, Pol Lambda, 4299-, DNA polymerase beta-2, Pol beta2, DNA polymerase kappa, POLL

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.

POLL Antibody (C-term) Blocking Peptide - Protein InformationName POLL ([HGNC:9184](#))**Function**

DNA polymerase that functions in several pathways of DNA repair (PubMed:11457865, PubMed:19806195, PubMed:20693240, PubMed:30250067). Involved in base excision repair (BER) responsible for repair of lesions that give rise to abasic (AP) sites in DNA (PubMed:11457865, PubMed:19806195). Also contributes to DNA double-strand break repair by non-homologous end joining and homologous recombination (PubMed:19806195, PubMed:20693240, PubMed:30250067). Has both template-dependent and template-independent (terminal transferase) DNA polymerase activities (PubMed:10982892, PubMed:10887191, PubMed:12809503, PubMed:12809503, PubMed:12809503).

href="http://www.uniprot.org/citations/14627824" target="_blank">14627824, PubMed:15537631, PubMed:19806195). Has also a 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity (PubMed:11457865, PubMed:19806195).

Cellular Location

Nucleus. Chromosome. Note=Accumulates at sites of DNA damage

Tissue Location

Expressed in a number of tissues. Abundant in testis.

POLL Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

POLL Antibody (C-term) Blocking Peptide - Images**POLL Antibody (C-term) Blocking Peptide - Background**

This gene encodes a DNA polymerase. DNA polymerases catalyze DNA-template-directed extension of the 3'-end of a DNA strand. This particular polymerase, which is a member of the X family of DNA polymerases, likely plays a role in non-homologous end joining and other DNA repair processes.

POLL Antibody (C-term) Blocking Peptide - References

Brown, J.A., et al. J. Mol. Biol. 395(2):282-290(2010)van Loon, B., et al. Proc. Natl. Acad. Sci. U.S.A. 106(43):18201-18206(2009)Garcia-Diaz, M., et al. Nat. Struct. Mol. Biol. 16(9):967-972(2009)