

POLE3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7316a**Specification****POLE3 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9NRF9](#)**POLE3 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 54107

Other Names

DNA polymerase epsilon subunit 3, Arsenic-transactivated protein, AsTP, Chromatin accessibility complex 17 kDa protein, CHRAC-17, HuCHRAC17, DNA polymerase II subunit 3, DNA polymerase epsilon subunit p17, POLE3, CHRAC17

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7316a](/products/AP7316a) was selected from the N-term region of human POLE3. 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.

POLE3 Antibody (N-term) Blocking Peptide - Protein Information**POLE3 Antibody (N-term) Blocking Peptide - Background**

POLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.

POLE3 Antibody (N-term) Blocking Peptide - References

Bolognese, F., Imbriano, C. Nucleic Acids Res. 28 (19), 3830-3838 (2000) Li, Y., Pursell, Z.F. J. Biol. Chem. 275 (30), 23247-23252 (2000)

Name POLE3

Synonyms CHRAC17

Function

Accessory component of the DNA polymerase epsilon complex (PubMed:10801849).

Participates in DNA repair and in chromosomal DNA replication (By similarity). Forms a complex with CHRAC1 and binds naked DNA, which is then incorporated into chromatin, aided by the nucleosome-remodeling activity of ISWI/SNF2H and ACF1 (PubMed:10801849).

Cellular Location

Nucleus.

Tissue Location

Expressed in all tissues tested, including, heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

**POLE3 Antibody (N-term) Blocking Peptide
- Protocols**

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

- [Blocking Peptides](#)