

**TOX3 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4814c****Specification**

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**TOX3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O15405](#)**TOX3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 27324**Other Names**

TOX high mobility group box family member 3, CAG trinucleotide repeat-containing gene F9 protein, Trinucleotide repeat-containing gene 9 protein, TOX3, CAGF9, TNRC9

**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.

**TOX3 Antibody (Center) Blocking Peptide - Protein Information****Name** TOX3**Synonyms** CAGF9, TNRC9**Function**

Transcriptional coactivator of the p300/CBP-mediated transcription complex. Activates transactivation through cAMP response element (CRE) sites. Protects against cell death by inducing antiapoptotic and repressing pro-apoptotic transcripts. Stimulates transcription from the estrogen-responsive or BCL-2 promoters. Required for depolarization-induced transcription activation of the C-FOS promoter in neurons. Associates with chromatin to the estrogen-responsive C3 promoter region.

**Cellular Location**

Nucleus.

**Tissue Location**

Expressed mainly in epithelial cells. Expressed in the central nervous system (CNS), in the ileum and within the brain in the frontal and occipital lobe.

## **TOX3 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **TOX3 Antibody (Center) Blocking Peptide - Images**

## **TOX3 Antibody (Center) Blocking Peptide - Background**

TOX3 contains an HMG-box, indicating that it may be involved in bending and unwinding of DNA and alteration of chromatin structure. The C-terminus of the encoded protein is glutamine-rich due to CAG repeats in the coding sequence. A minor allele of this gene has been implicated in an elevated risk of breast cancer.

## **TOX3 Antibody (Center) Blocking Peptide - References**

Wacholder, S., et al. N. Engl. J. Med. 362(11):986-993(2010) Odefrey, F., et al. Cancer Res. 70(4):1449-1458(2010) Couch, F.J., et al. Cancer Epidemiol. Biomarkers Prev. 18(11):3044-3048(2009) Stacey, S.N., et al. Nat. Genet. 39(7):865-869(2007)