

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

TOX3 Antibody (Center) Blocking Peptide - Product InformationPrimary 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)