

ZBTB38 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16697a**Specification**

ZBTB38 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8NAP3](#)**ZBTB38 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 253461**Other Names**

Zinc finger and BTB domain-containing protein 38, ZBTB38 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=26636)
target="_blank">HGNC:26636)

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.

ZBTB38 Antibody (N-term) Blocking Peptide - Protein Information**Name** ZBTB38 ([HGNC:26636](#))**Function**

Transcriptional regulator with bimodal DNA-binding specificity. Binds with a higher affinity to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' but can also bind to E-box elements (5'-CACGTG-3'). Can also bind specifically to a single methyl-CpG pair. Represses transcription in a methyl-CpG-dependent manner (PubMed:<http://www.uniprot.org/citations/16354688>). Plays an important role in regulating DNA replication and common fragile sites (CFS) stability in a RBBP6- and MCM10-dependent manner; represses expression of MCM10 which plays an important role in DNA-replication (PubMed:<http://www.uniprot.org/citations/24726359>). Acts as a transcriptional activator. May be involved in the differentiation and/or survival of late postmitotic neurons (By similarity).

Cellular Location

Nucleus. Chromosome. Note=Localizes to chromocenters

ZBTB38 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ZBTB38 Antibody (N-term) Blocking Peptide - Images

ZBTB38 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is a zinc fingertranscriptional activator that binds methylated DNA. The encodedprotein can form homodimers or heterodimers through the zinc fingerdomains. In mouse, inhibition of this protein has been associatedwith apoptosis in some cell types.

ZBTB38 Antibody (N-term) Blocking Peptide - References

Okada, Y., et al. Hum. Mol. Genet. 19(11):2303-2312(2010)Kim, J.J., et al. J. Hum. Genet. 55(1):27-31(2010)Zhao, J., et al. BMC Med. Genet. 11, 96 (2010) :Cho, Y.S., et al. Nat. Genet. 41(5):527-534(2009)Soranzo, N., et al. PLoS Genet. 5 (4), E1000445 (2009) :