

**ZHX1 Antibody(C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP19424b****Specification**

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**ZHX1 Antibody(C-term) Blocking peptide - Product Information**Primary Accession [Q9UKY1](#)**ZHX1 Antibody(C-term) Blocking peptide - Additional Information****Gene ID** 11244**Other Names**

Zinc fingers and homeoboxes protein 1, ZHX1

**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.

**ZHX1 Antibody(C-term) Blocking peptide - Protein Information****Name** ZHX1**Function**

Acts as a transcriptional repressor. Increases DNMT3B- mediated repressive transcriptional activity when DNMT3B is tethered to DNA. May link molecule between DNMT3B and other co-repressor proteins.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:12237128, ECO:0000269|PubMed:17056598} Note=Colocalized in the nucleus with DNMT3B

**Tissue Location**

Ubiquitously expressed. Expressed in podocytes.

**ZHX1 Antibody(C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**ZHX1 Antibody(C-term) Blocking peptide - Images****ZHX1 Antibody(C-term) Blocking peptide - Background**

The members of the zinc fingers and homeoboxes gene family are nuclear homodimeric transcriptional repressors that interact with the A subunit of nuclear factor- $\kappa$ B (NF- $\kappa$ B) and contain two C2H2-type zinc fingers and five homeobox DNA-binding domains. This gene encodes member 1 of this gene family. In addition to forming homodimers, this protein heterodimerizes with members 2 and 3 of the zinc fingers and homeoboxes family. Alternative splicing results in multiple transcript variants encoding the same protein.

**ZHX1 Antibody(C-term) Blocking peptide - References**

Wienk, H., et al. Biochemistry 48(21):4431-4439(2009) Rikova, K., et al. Cell 131(6):1190-1203(2007) Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Kim, S.H., et al. Biochem. Biophys. Res. Commun. 355(2):318-323(2007) Liu, G., et al. J. Biol. Chem. 281(51):39681-39692(2006)