

**ZHX2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18752a****Specification**

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**ZHX2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9Y6X8](#)**ZHX2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 22882**Other Names**

Zinc fingers and homeoboxes protein 2, Alpha-fetoprotein regulator 1, AFP regulator 1, Regulator of AFP, Zinc finger and homeodomain protein 2, ZHX2, AFR1, KIAA0854, RAF

**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.

**ZHX2 Antibody (N-term) Blocking Peptide - Protein Information****Name** ZHX2**Synonyms** AFR1, KIAA0854, RAF**Function**

Acts as a transcriptional repressor (PubMed:<a href="http://www.uniprot.org/citations/12741956" target="\_blank">12741956</a>). Represses the promoter activity of the CDC25C gene stimulated by NFYA (PubMed:<a href="http://www.uniprot.org/citations/12741956" target="\_blank">12741956</a>). May play a role in retinal development where it regulates the composition of bipolar cell populations, by promoting differentiation of bipolar OFF-type cells (By similarity). In the brain, may promote maintenance and suppress differentiation of neural progenitor cells in the developing cortex (By similarity).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:12741956, ECO:0000269|PubMed:17056598} Note=Colocalizes with EFNB1 intracellular domain in the nucleus {ECO:0000250|UniProtKB:Q8C0C0}

**Tissue Location**

Ubiquitously expressed. Expressed in podocytes.

## **ZHX2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **ZHX2 Antibody (N-term) Blocking Peptide - Images**

## **ZHX2 Antibody (N-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 2 of this gene family. In addition to forming homodimers, this protein heterodimerizes with member 1 of the zinc fingers and homeoboxes family.

## **ZHX2 Antibody (N-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Xu, J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(5):2136-2140(2010) Trynka, G., et al. Gut 58(8):1078-1083(2009) Shen, H., et al. J. Cell. Mol. Med. 12 (6B), 2772-2780 (2008) : Hu, S., et al. Neoplasia 54(3):207-211(2007)