

# TPRX1 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP16916a

## **Specification**

## TPRX1 Antibody (N-term) Blocking Peptide - Product Information

**Primary Accession** 

**Q8N7U7** 

# TPRX1 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID 284355** 

#### **Other Names**

Tetra-peptide repeat homeobox protein 1, TPRX1

### **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.

## TPRX1 Antibody (N-term) Blocking Peptide - Protein Information

Name TPRX1 {ECO:0000303|PubMed:36074823, ECO:0000312|HGNC:HGNC:32174}

### **Function**

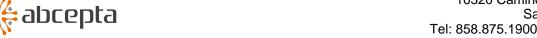
Transcription factor expressed after fertilization required for zygotic genome activation (ZGA), a critical event in early embryonic development during which the developmental control passes from maternally provided mRNAs to the expression of the zygotic genome after fertilization (PubMed:<a href="http://www.uniprot.org/citations/35314832" target="\_blank">35314832</a>, PubMed:<a href="http://www.uniprot.org/citations/36074823" target="\_blank">36074823</a>). Binds and activates expression of key ZGA marker genes, such as NANOGNB, ZSCAN4, DUXB, KLF5 and DPPA3 (PubMed:<a href="http://www.uniprot.org/citations/36074823" target="\_blank">36074823</a>). Binds to regulatory DNA sequences containing a 5'-TAATCC-3' sequence motif (PubMed:<a href="http://www.uniprot.org/citations/36074823" target="\_blank">36074823</a>).

### **Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

## TPRX1 Antibody (N-term) Blocking Peptide - Protocols





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

# • Blocking Peptides

TPRX1 Antibody (N-term) Blocking Peptide - Images

TPRX1 Antibody (N-term) Blocking Peptide - Background

Homeobox genes encode DNA-binding proteins, many of whichare thought to be involved in early embryonic development. Homeoboxgenes encode a DNA-binding domain of 60 to 63 amino acids referred to as the homeodomain. This gene is a member of the TPRX homeoboxgene family.

TPRX1 Antibody (N-term) Blocking Peptide - References

Booth, H.A., et al. Gene 387 (1-2), 7-14 (2007):