

TPRX1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16916a**Specification**

TPRX1 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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:35314832, PubMed:36074823). Binds and activates expression of key ZGA marker genes, such as NANOGNB, ZSCAN4, DUXB, KLF5 and DPPA3 (PubMed:36074823). Binds to regulatory DNA sequences containing a 5'-TAATCC-3' sequence motif (PubMed:36074823).

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 which are thought to be involved in early embryonic development. Homeobox genes encode a DNA-binding domain of 60 to 63 amino acids referred to as the homeodomain. This gene is a member of the TPRX homeobox gene family.

TPRX1 Antibody (N-term) Blocking Peptide - References

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