

**TPRX1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16916a****Specification**

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**TPRX1 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8N7U7</a>
Other Accession	<a href="#">NP_940881.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40603
Antigen Region	1-30

**TPRX1 Antibody (N-term) - Additional Information****Gene ID** 284355**Other Names**

Tetra-peptide repeat homeobox protein 1, TPRX1

**Target/Specificity**

This TPRX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human TPRX1.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TPRX1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TPRX1 Antibody (N-term) - 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

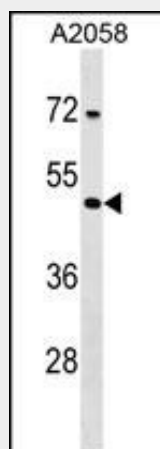
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

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

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### TPRX1 Antibody (N-term) - Images



TPRX1 Antibody (N-term) (Cat. #AP16916a) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the TPRX1 antibody detected the TPRX1 protein (arrow).

#### TPRX1 Antibody (N-term) - 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) - References

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