

TPRX1 Rabbit pAb

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Catalog # AP56591

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8N7U7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40603
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TPRX1
Epitope Specificity	331-411/411
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	The TPRX1 gene is a member of the TPRX homeobox gene family. Homeobox genes encode DNA binding proteins, many of which may be involved in early embryonic development. Homeobox genes encode a DNA binding domain of 60 to 63 amino acids referred to as the homeodomain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The TPRX1 gene is a member of the TPRX homeobox gene family. Homeobox genes encode DNA binding proteins, many of which may be involved in early embryonic development. Homeobox genes encode a DNA binding domain of 60 to 63 amino acids referred to as the homeodomain.

Additional Information

Gene ID	284355
Other Names	Tetra-peptide repeat homeobox protein 1, TPRX1 {ECO:0000303 PubMed:36074823, ECO:0000312 HGNC:HGNC:32174}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

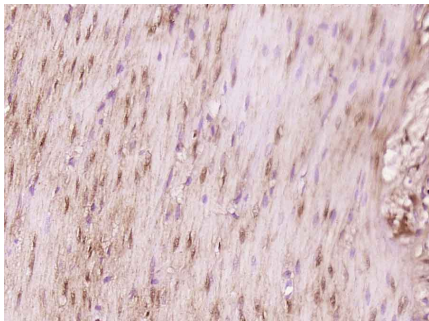
Name	TPRX1 {ECO:0000303 PubMed:36074823, ECO:0000312 HGNC:HGNC:32174}
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Function	Transcription factor expressed after fertilization required for zygotic genome activation (ZGA), a critical event in early embryonic development during which the developmental 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}.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TPRX1) Polyclonal Antibody, Unconjugated (AP56591) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.