

TDRD1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11148b

Specification

TDRD1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q9BXT4
Other Accession	NP_942090.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	132024
Antigen Region	966-995

TDRD1 Antibody (C-term) - Additional Information

Gene ID 56165

Other Names

Tudor domain-containing protein 1, Cancer/testis antigen 411, CT411, TDRD1

Target/Specificity

This TDRD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 966-995 amino acids from the C-terminal region of human TDRD1.

Dilution

WB~~1:1000

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

TDRD1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TDRD1 Antibody (C-term) - Protein Information

Name TDRD1

Function Plays a central role during spermatogenesis by participating in the repression transposable elements and preventing their mobilization, which is essential for the germline

integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Required for the localization of Piwi proteins to the meiotic nuage. Involved in the piRNA metabolic process by ensuring the entry of correct transcripts into the normal piRNA pool and limiting the entry of cellular transcripts into the piRNA pathway. May act by allowing the recruitment of piRNA biogenesis or loading factors that ensure the correct entry of transcripts and piRNAs into Piwi proteins (By similarity).

Cellular Location

Cytoplasm. Note=Component of the meiotic nuage, also named P granule, a germ-cell-specific organelle required to repress transposon activity during meiosis. Also present in chromatoid body (By similarity).

Tissue Location

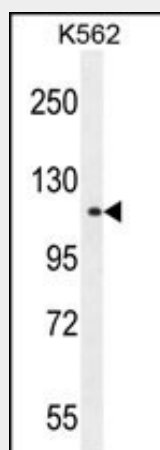
Testis and ovary specific. Also expressed in several cancers.

TDRD1 Antibody (C-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](#)

TDRD1 Antibody (C-term) - Images



TDRD1 Antibody (C-term) (Cat. #AP11148b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the TDRD1 antibody detected the TDRD1 protein (arrow).

TDRD1 Antibody (C-term) - Background

This gene is similar to a mouse gene that encodes a tudor domain protein. Alternatively spliced transcript variants have been described but their full length sequences have not been determined.

TDRD1 Antibody (C-term) - References

- Wu, C., et al. Proteomics 7(11):1775-1785(2007)
Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
Wang, P.J., et al. Nat. Genet. 27(4):422-426(2001)