

**TDRD9 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57974****Specification**

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**TDRD9 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF
Primary Accession	<a href="#">Q8NDG6</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	155683

**TDRD9 Polyclonal Antibody - Additional Information****Gene ID** 122402**Other Names**

ATP-dependent RNA helicase TDRD9, 3.6.4.13, TDRD9 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=20122" target="\_blank">HGNC:20122</a>)

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**TDRD9 Polyclonal Antibody - Protein Information****Name** TDRD9 ([HGNC:20122](#))**Function**

ATP-binding RNA helicase required during spermatogenesis (PubMed:<a href="http://www.uniprot.org/citations/28536242" target="\_blank">28536242</a>). Required to repress transposable elements and prevent 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. Acts downstream of piRNA biogenesis: exclusively required for transposon silencing in the nucleus, suggesting that it acts as a nuclear effector in the nucleus together with PIWIL4.

**Cellular Location**

Cytoplasm. Nucleus {ECO:0000250|UniProtKB:Q14BI7}. Note=Component of the nuage, also named P granule, a germ-cell-specific organelle required to repress transposon activity during meiosis. Specifically localizes to piP- bodies, a subset of the nuage which contains secondary piRNAs. PIWIL2 is required for its localization to piP-bodies {ECO:0000250|UniProtKB:Q14BI7}

## **TDRD9 Polyclonal Antibody - 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](#)

## **TDRD9 Polyclonal Antibody - Images**