

# TDRD9 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10994

## Product Information

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|--------------------------|-----------------------------------------------------------|
| <b>Application</b>       | WB                                                        |
| <b>Primary Accession</b> | <a href="#">Q8NDG6</a>                                    |
| <b>Other Accession</b>   | <a href="#">NM_153046</a> , <a href="#">NP_694591</a>     |
| <b>Reactivity</b>        | Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine, Yeast |
| <b>Predicted</b>         | Human, Mouse, Rat, Rabbit, Pig, Bovine                    |
| <b>Host</b>              | Rabbit                                                    |
| <b>Clonality</b>         | Polyclonal                                                |
| <b>Calculated MW</b>     | 155683                                                    |

## Additional Information

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| <b>Gene ID</b>                      | 122402                                                                                                                                                                                         |
| <b>Alias Symbol</b>                 | C14orf75, HIG-1, NET54                                                                                                                                                                         |
| <b>Other Names</b>                  | Putative ATP-dependent RNA helicase TDRD9, 3.6.4.13, Tudor domain-containing protein 9, TDRD9, C14orf75                                                                                        |
| <b>Format</b>                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                              |
| <b>Reconstitution &amp; Storage</b> | Add 50 ul of distilled water. Final anti-TDRD9 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| <b>Precautions</b>                  | TDRD9 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                           |

## Protein Information

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| <b>Name</b>     | TDRD9 ( <a href="#">HGNC:20122</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Function</b> | ATP-binding RNA helicase required during spermatogenesis (PubMed: <a href="#">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}

## Images

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Host: Rabbit

Target Name: TDRD9

Sample Tissue: ACHN Whole cell lysate

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Antibody Dilution: 1.0µg/ml

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