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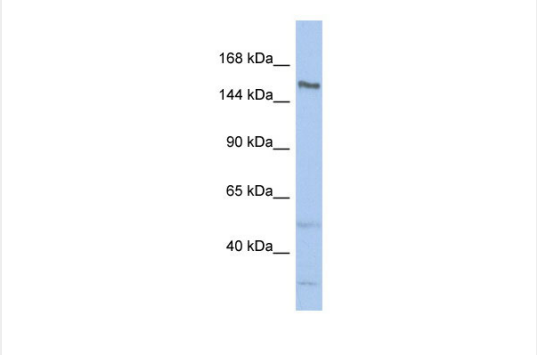
TDRD9 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10994

Specification

TDRD9 Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q8NDG6
Other Accession	NM_153046, NP_694591
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**152kDa KDa**



Host: Rabbit
Target Name: TDRD9
Sample Tissue: ACHN Whole cell lysates
Antibody Dilution: 1.0µg/ml

TDRD9 Antibody - C-terminal region - Additional Information

Gene ID 122402

Alias Symbol	**C14orf75, HIG-1, NET54**

Other Names
Putative ATP-dependent RNA helicase TDRD9, 3.6.4.13, Tudor domain-containing protein 9, TDRD9, C14orf75

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
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.

Precautions
TDRD9 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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TDRD9 Antibody - C-terminal region - Protein Information

Name TDRD9 (HGNC:20122)

Function
ATP-binding RNA helicase required during spermatogenesis (PubMed:28536242). 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 Antibody - C-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture