

**TDRD4 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11225****Specification**

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**TDRD4 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q9BXT8</a>
Other Accession	<a href="#">_Q9BXT8</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>184643</b>

**TDRD4 Antibody - Additional Information****Gene ID** 56163

Positive Control	<b>Western Blot: Recombinant protein</b>
Application & Usage	<b>Western blot: 1-4 µg/ml.</b>
<b>Other Names</b>	
RING finger protein 17, Tudor domain-containing protein 4, TDRD4, RNF17	

**Target/Specificity**  
TDRD4**Antibody Form**  
Liquid**Appearance**  
Colorless liquid**Formulation**  
100 µg (0.5 mg/ml) of antibody in PBS pH 7.2 containing 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol.**Handling**  
The antibody solution should be gently mixed before use.**Reconstitution & Storage**  
-20 °C**Background Descriptions****Precautions**  
TDRD4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## TDRD4 Antibody - Protein Information

**Name** RNF17

**Synonyms** TDRD4

### Function

Seems to be involved in regulation of transcriptional activity of MYC. In vitro, inhibits DNA-binding activity of Mad-MAX heterodimers. Can recruit Mad transcriptional repressors (MXD1, MXD3, MXD4 and MXI1) to the cytoplasm. May be involved in spermiogenesis (By similarity).

### Cellular Location

Cytoplasm. Nucleus. Note=Predominantly found in the cytoplasm. Component of a nuage in male germ cells (an electron-dense spherical cytoplasmic body present in late pachytene and diplotene spermatocytes and in elongating spermatids) (By similarity).

### Tissue Location

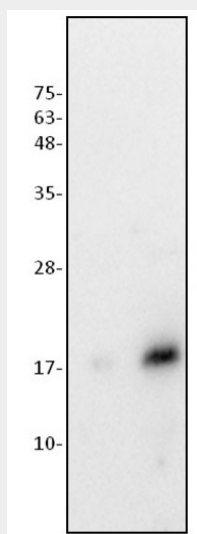
Testis specific.

## TDRD4 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](#)

## TDRD4 Antibody - Images



Western blot of TDRD4 antibody. Lane 1: Recombinant rh- TDRD4 10 ng. Lane 2: Recombinant rh- TDRD4 50 ng

## **TDRD4 Antibody - Background**

Tudor domains are small protein structural motifs of about ~50 amino acids related to the “royal family” of methyl readers, which also includes chromo, MBT, PWWP, and Agenet-like domains. Tudor domains occur either alone, in tandem, or with other domains and are found in many proteins that are involved in RNA metabolism, germ cell development, transposon silencing, DNA damage response, histone modification, and chromatin remodeling. The Tudor domains recognize symmetric methylated arginine or methylated lysine residues. Tudor domain proteins act as an oncogene and play a very important role in HCC and colon cancer. TDRD is also involved in RISC complex and interacts with AEG-1 oncogene. The Tudor domain can bind to methylated arginine protein and promote tumor angiogenesis in human hepatocellular carcinoma, etc. TDRD4 is a candidate CT antigen expressed in a subset of liver cancers