

**TDRD7 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10982b****Specification**

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**TDRD7 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q8NHU6](#)

**TDRD7 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 23424

**Other Names**

Tudor domain-containing protein 7, PCTAIRE2-binding protein, Tudor repeat associator with PCTAIRE-2, Trap, TDRD7, PCTAIRE2BP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TDRD7 Antibody (C-term) Blocking peptide - Protein Information**

**Name** TDRD7

**Synonyms** PCTAIRE2BP

**Function**

Component of specific cytoplasmic RNA granules involved in post-transcriptional regulation of specific genes: probably acts by binding to specific mRNAs and regulating their translation. Required for lens transparency during lens development, by regulating translation of genes such as CRYBB3 and HSPB1 in the developing lens. Also required during spermatogenesis.

**Cellular Location**

Cytoplasm. Note=Localizes to cytoplasmic RNA granules. Present in chromatoid body (CB) of spermatids (mammalian counterpart of germplasm, pole plasm or polar granules in Drosophila germ cells), also named processing bodies (P-bodies) in somatic cells. Detected in the multilobular cytoplasmic CBs (also called intermitochondrial cementin) in pachytene spermatocytes and as a single perinuclear CB in haploid round spermatids (By similarity).

**TDRD7 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TDRD7 Antibody (C-term) Blocking peptide - Images**

#### **TDRD7 Antibody (C-term) Blocking peptide - Background**

TDRD7, also known as Tudor domain containing protein 7, is a component of chromatoid bodies in spermatids (named processing bodies or P-bodies in somatic cells). It is found in a mRNP complex together with TDRD1, TDRD6 and DDX4. It is also found in a complex with CABLES1, PCTK2 and PIWIL1. TDRD7 has been shown to interact with histone H3 tri-methylated at K9 in vitro.

#### **TDRD7 Antibody (C-term) Blocking peptide - References**

Lim, J., et al. Cell 125(4):801-814(2006)Conte, N., et al. Oncogene 22(50):8102-8116(2003)Lauffart, B., et al. Biochem. J. 363 (PT 1), 195-200 (2002) :Yamochi, T., et al. Biochem. Biophys. Res. Commun. 286(5):1045-1050(2001)Hirose, T., et al. Eur. J. Biochem. 267(7):2113-2121(2000)