

**DTD1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8922b****Specification**

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**DTD1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q8TEA8](#)**DTD1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 92675**Other Names**

D-tyrosyl-tRNA(Tyr) deacylase 1, 31--, DNA-unwinding element-binding protein B, DUE-B, Histidyl-tRNA synthase-related, DTD1, C20orf88, DUEB, HARS2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8922b](/products/AP8922b) was selected from the C-term region of human DTD1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**DTD1 Antibody (C-term) Blocking Peptide - Protein Information****Name** DTD1**Synonyms** C20orf88, DUEB, HARS2**Function**

Possible ATPase (PubMed: <http://www.uniprot.org/citations/15653697> target="\_blank">15653697</a>) involved in DNA replication, may facilitate loading of CDC45 onto pre-replication complexes (PubMed: <http://www.uniprot.org/citations/20065034> target="\_blank">20065034</a>).

**Cellular Location**

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q8IIS0} Note=Associated with chromatin at some replication origins containing functional DNA-unwinding elements (PubMed:20065034)



**Tissue Location**

Expressed in many adult and fetal tissues. Highest levels in testis, ovary, spleen and in adult and fetal brain

**DTD1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**DTD1 Antibody (C-term) Blocking Peptide - Images****DTD1 Antibody (C-term) Blocking Peptide - Background**

The protein is similar in sequence to histidyl-tRNA synthetase, which hydrolyzes D-tyrosyl-tRNA(Tyr) into D-tyrosine and free tRNA(Tyr). The encoded protein is found in the cytoplasm.

**DTD1 Antibody (C-term) Blocking Peptide - References**

Casper, J.M., et.al., J. Biol. Chem. 280 (13), 13071-13083 (2005)