

#### DTD1/HARS2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55575

# **Specification**

# DTD1/HARS2 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>Q8TEA8</u>

Reactivity Rat, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 23 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human DTD1

Epitope Specificity 1-100/209

Isotype IgG

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm.

SIMILARITY Belongs to the DTD family.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

## **Background Descriptions**

The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

## DTD1/HARS2 Polyclonal Antibody - Additional Information

## **Gene ID 92675**

#### **Other Names**

D-aminoacyl-tRNA deacylase 1, Histidyl-tRNA synthase-related, DTD1, C20orf88, DUEB, HARS2

#### Target/Specificity

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

#### Dilution

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class</pre>

="dilution IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF $\sim$ 1:50 $\sim$ 200</span><br \><span class ="dilution\_ICC">ICC $\sim$ N/A</span><br \>

\><span class ="dilution\_E">E~~N/A</span>



## **Storage**

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

## DTD1/HARS2 Polyclonal Antibody - Protein Information

#### Name DTD1

Synonyms C20orf88, DUEB, HARS2

#### **Function**

Possible ATPase (PubMed:<a href="http://www.uniprot.org/citations/15653697" target="\_blank">15653697</a>) involved in DNA replication, may facilitate loading of CDC45 onto pre-replication complexes (PubMed:<a href="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/HARS2 Polyclonal 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 Cytomety
- Cell Culture

#### DTD1/HARS2 Polyclonal Antibody - Images