

## **DIMT1L Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55525

# **Specification**

## **DIMT1L Polyclonal Antibody - Product Information**

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

IHC-P, IHC-F, IF, ICC, E
O9UNO2
Rat, Pig, Dog, Bovine
Rabbit
Polyclonal
35236

# **DIMT1L Polyclonal Antibody - Additional Information**

# Gene ID 27292

#### **Other Names**

Probable dimethyladenosine transferase, 2.1.1.183, DIM1 dimethyladenosine transferase 1 homolog, DIM1 dimethyladenosine transferase 1-like, Probable 18S rRNA (adenine(1779)-N(6)/adenine(1780)-N(6))-dimethyltransferase, Probable 18S rRNA dimethylase, Probable S-adenosylmethionine-6-N', N'-adenosyl(rRNA) dimethyltransferase, DIMT1, DIMT1L

#### **Dilution**

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \> <span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \> <span class
="dilution\_IF">IF~~1:50~200</span><br \> <span class ="dilution\_ICC">ICC~~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.

# **DIMT1L Polyclonal Antibody - Protein Information**

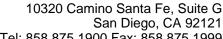
Name DIMT1 (HGNC:30217)

Synonyms DIMT1L

### **Function**

Specifically dimethylates two adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA in the 40S particle (PubMed:<a

href="http://www.uniprot.org/citations/25851604" target="\_blank">25851604</a>). Involved in the pre-rRNA processing steps leading to small-subunit rRNA production independently of its RNA-modifying catalytic activity (PubMed:<a href="http://www.uniprot.org/citations/25851604" target="\_blank">25851604</a>). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate





Tel: 858.875.1900 Fax: 858.875.1999

with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:<a href="http://www.uniprot.org/citations/34516797" target="\_blank">34516797</a>).

# **Cellular Location**

Nucleus, nucleoplasm. Nucleus, nucleolus

# **DIMT1L Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

**DIMT1L Polyclonal Antibody - Images**