

## TRDMT1 Conjugated Antibody

Catalog No: #C36827



Package Size: #C36827-AF350 100ul #C36827-AF405 100ul #C36827-AF488 100ul  
 #C36827-AF555 100ul #C36827-AF594 100ul #C36827-AF647 100ul  
 #C36827-AF680 100ul #C36827-AF750 100ul #C36827-Biotin 100ul

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## Description

Product Name	TRDMT1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total TRDMT1 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human tRNA aspartic acid methyltransferase 1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	DMNT2; DNMT2; PUMET; RNMT1; MHSIIP
Accession No.	Swiss-Prot#:O14717NCBI Gene ID:1787NCBI Protein#:NP_004403
Uniprot	O14717
GeneID	1787;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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This gene encodes a protein responsible for the methylation of aspartic acid transfer RNA, specifically at the cytosine-38 residue in the anticodon loop. This enzyme also possesses residual DNA-(cytosine-C5) methyltransferase activity. While similar in sequence and structure to DNA cytosine methyltransferases, this gene is distinct and highly conserved in its function among taxa.

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Note: This product is for in vitro research use only