10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRMT61A Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21425a

Product Information

Application	WB, E
Primary Accession	Q96FX7
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB49256
Calculated MW	31382

Additional Information

Gene ID	115708
Other Names	tRNA (adenine(58)-N(1))-methyltransferase catalytic subunit TRMT61A, tRNA(m1A58)-methyltransferase subunit TRMT61A, tRNA(m1A58)MTase subunit TRMT61A, TRMT61A, C14orf172, TRM61
Target/Specificity	This TRMT61A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 45-80 amino acids from the N-terminal region of human TRMT61A.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TRMT61A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRMT61A
Synonyms	C14orf172, TRM61
Function	Catalytic subunit of tRNA (adenine-N(1)-)-methyltransferase, which catalyzes

the formation of N(1)-methyladenine at position 58 (m1A58) in initiator methionyl-tRNA (PubMed:16043508). Catalytic subunit of mRNA N(1)-methyltransferase complex, which mediates methylation of adenosine residues at the N(1) position of a small subset of mRNAs: N(1) methylation takes place in tRNA T-loop-like structures of mRNAs and is only present at low stoichiometries (PubMed:29072297, PubMed:29107537).

Cellular Location Nucleus {ECO:0000250|UniProtKB:P46959}.

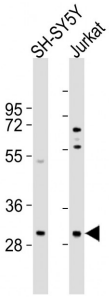
Background

Catalytic subunit of tRNA (adenine-N(1)-)- methyltransferase, which catalyzes the formation of N(1)-methyladenine at position 58 (m1A58) in initiator methionyl-tRNA.

References

Heilig R.,et al.Nature 421:601-607(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ozanick S.,et al.RNA 11:1281-1290(2005).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Images



All lanes : Anti-TRMT61A Antibody (N-term) at 1:1000 dilution Lane 1: SH-SY5Y whole cell lysates Lane 2: Jurkat whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 31 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.