

Trmt5 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12951

Product Information

Application	WB
Primary Accession	Q9D0C4
Other Accession	NM_029580 , NP_083856
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56794

Additional Information

Gene ID	76357
Alias Symbol	2610027O18Rik, KIAA1393, mKIAA1393
Other Names	tRNA (guanine(37)-N1)-methyltransferase {ECO:0000255 HAMAP-Rule:MF_03152}, 2.1.1.228 {ECO:0000255 HAMAP-Rule:MF_03152}, M1G-methyltransferase {ECO:0000255 HAMAP-Rule:MF_03152}, tRNA [GM37] methyltransferase {ECO:0000255 HAMAP-Rule:MF_03152}, tRNA methyltransferase 5 homolog {ECO:0000255 HAMAP-Rule:MF_03152}, Trmt5, Kiaa1393, Trm5
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Trmt5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Trmt5 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Trmt5
Synonyms	Kiaa1393, Trm5
Function	Involved in mitochondrial tRNA methylation (By similarity). Specifically methylates the N1 position of guanosine-37 in various tRNAs. Methylation is not dependent on the nature of the nucleoside 5' of the target nucleoside. This is the first step in the biosynthesis of wybutosine (yW), a modified base

adjacent to the anticodon of tRNAs and required for accurate decoding.

Cellular Location

Mitochondrion matrix {ECO:0000255 | HAMAP- Rule:MF_03152}. Nucleus {ECO:0000255 | HAMAP-Rule:MF_03152}. Cytoplasm {ECO:0000255 | HAMAP-Rule:MF_03152}. Note=Predominantly in the mitochondria and in the nucleus. {ECO:0000255 | HAMAP-Rule:MF_03152}

Images



WB Suggested Anti-Trmt5 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse liver

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