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

TRIT1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12079

Product Information

Application	WB
Primary Accession	Q9H3H1
Other Accession	NM_017646, NP_060116
Reactivity	Human, Rabbit, Guinea Pig, Horse
Predicted	Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52725

Additional Information

Gene ID	54802
Alias Symbol	IPT, MOD5
Other Names	tRNA dimethylallyltransferase, mitochondrial, 2.5.1.75, Isopentenyl-diphosphate:tRNA isopentenyltransferase, IPP transferase, IPPT, hGRO1, tRNA isopentenyltransferase, IPTase, TRIT1, IPT, MOD5
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-TRIT1 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	TRIT1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRIT1
Synonyms	IPT, MOD5
Function	Catalyzes the transfer of a dimethylallyl group onto the adenine at position 37 of both cytosolic and mitochondrial tRNAs, leading to the formation of N6-(dimethylallyl)adenosine (i6A37) (PubMed:11111046, PubMed:24126054, PubMed:24901367, PubMed:34774131). Mediates modification of a limited subset of tRNAs: tRNA(Ser)(AGA), tRNA(Ser)(CGA), tRNA(Ser)(UGA), as well as partial modification of the selenocysteine tRNA(Ser)(UCA) (PubMed:24126054). TRIT1 is therefore required for selenoprotein expression

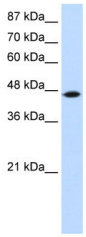
(PubMed:24126054).

Cellular Location [Isoform 1]: Mitochondrion [Isoform 2]: Cytoplasm. [Isoform 5]: Cytoplasm.

References

Spinola,M.,(2005)Oncogene24(35),5502-5509ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

Images



WB Suggested Anti-TRIT1 Antibody Titration: 0.2-1 µg/ml
Positive Control: Jurkat cell lysate
TRIT1 is supported by BioGPS gene expression data to be expressed in Jurkat

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