

TRIT1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12079**Specification**

TRIT1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9H3H1
Other Accession	NM_017646 , NP_060116
Reactivity	Human, Rabbit, Horse, Guinea Pig
Predicted	Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa

TRIT1 antibody - C-terminal region - 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.

TRIT1 antibody - C-terminal region - 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](http://www.uniprot.org/citations/11111046)),
(PubMed: [24126054](http://www.uniprot.org/citations/24126054)),
(PubMed: [24901367](http://www.uniprot.org/citations/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

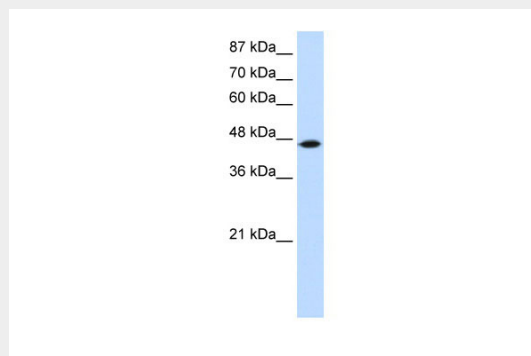
[Isoform 1]: Mitochondrion [Isoform 2]: Cytoplasm. [Isoform 5]: Cytoplasm.

TRIT1 antibody - C-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRIT1 antibody - C-terminal region - 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

TRIT1 antibody - C-terminal region - References

Spinola, M., (2005) Oncogene 24(35), 5502-5509 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.