

Trit1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10433

Product Information

Application	WB
Primary Accession	Q80UN9
Other Accession	NM_025873 , NP_080149
Reactivity	Human, Mouse, Rat, Dog, Bovine
Predicted	Human, Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52437

Additional Information

Gene ID	66966
Alias Symbol Other Names	2310075G14Rik, AI314189, AI314635, AV099619, IPT, MOD5 tRNA dimethylallyltransferase, mitochondrial, 2.5.1.75, Isopentenyl-diphosphate:tRNA isopentenyltransferase, IPP transferase, IPPT, tRNA isopentenyltransferase, IPTase, Trit1, Ipt
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 - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Trit1
Synonyms	Ipt
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: 23289710). 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) (By similarity). TRIT1 is therefore required for selenoprotein expression (PubMed: 23289710).

Cellular Location

[Isoform 1]: Mitochondrion {ECO:0000250|UniProtKB:Q9H3H1}

Images

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