

Tut1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11579**Specification**

Tut1 Antibody - N-terminal region - Product Information

| | |
|-------------------|---|
| Application | WB |
| Primary Accession | Q3MHT4 |
| Other Accession | NM_001033901 , NP_001029073 |
| Reactivity | Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog |
| Predicted Host | Mouse, Rat, Rabbit, Pig, Bovine, Dog |
| Clonality | Rabbit |
| Calculated MW | Polyclonal 95kDa KDa |

Tut1 Antibody - N-terminal region - Additional Information**Gene ID** 499314**Alias Symbol** **MGC125034**
Other Names

Speckle targeted PIP5K1A-regulated poly(A) polymerase, Star-PAP, 2.7.7.19, RNA-binding motif protein 21, RNA-binding protein 21, U6 snRNA-specific terminal uridylyltransferase 1, U6-TUTase, 2.7.7.52, Tut1, Rbm21

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-Tut1 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

Tut1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Tut1 Antibody - N-terminal region - Protein Information**Name** Tut1**Synonyms** Rbm21**Function**

Poly(A) polymerase that creates the 3'-poly(A) tail of specific pre-mRNAs. Localizes to nuclear speckles together with PIP5K1A and mediates polyadenylation of a select set of mRNAs, such as HMOX1. In addition to polyadenylation, it is also required for the 3'-end cleavage of pre-mRNAs: binds to the 3'UTR of targeted pre-mRNAs and promotes the recruitment and assembly of the

CPSF complex on the 3'UTR of pre-mRNAs. In addition to adenylyltransferase activity, also has uridylyltransferase activity. However, the ATP ratio is higher than UTP in cells, suggesting that it functions primarily as a poly(A) polymerase. Acts as a specific terminal uridylyltransferase for U6 snRNA in vitro: responsible for a controlled elongation reaction that results in the restoration of the four 3'-terminal UMP-residues found in newly transcribed U6 snRNA. Not involved in replication-dependent histone mRNA degradation.

Cellular Location

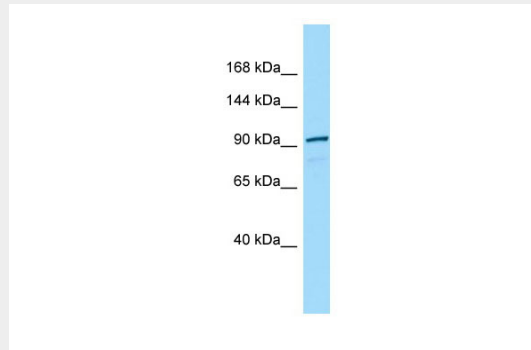
Nucleus, nucleolus {ECO:0000250|UniProtKB:Q9H6E5}. Nucleus speckle {ECO:0000250|UniProtKB:Q9H6E5}

Tut1 Antibody - N-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](#)

Tut1 Antibody - N-terminal region - Images



Host: Rabbit
Target Name: Tut1
Sample Tissue: Rat Thymus lysates
Antibody Dilution: 1.0µg/ml