

Tut1 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI11579

Product Information

Application	WB
Primary Accession	Q3MHT4
Other Accession	NM_001033901 , NP_001029073
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Mouse, Rat, Rabbit, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94378

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.

Protein Information

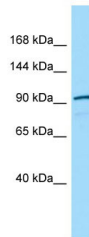
Name	Tut1
Synonyms	Rbm21
Function	Poly(A) polymerase that creates the 3'-poly(A) tail of specific pre-mRNAs. Localizes to nuclear speckles together with PIP5K1A and mediates polyadenylation of a select set of mRNAs, such as HMOX1. In addition to polyadenylation, it is also required for the 3'-end cleavage 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}

Images



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

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