

TUT1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5494a**Specification**

TUT1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O9H6E5](#)
Other Accession [NP_073741.1](#)

TUT1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 64852

Other Names

Speckle targeted PIP5K1A-regulated poly(A) polymerase, Star-PAP, RNA-binding motif protein 21, RNA-binding protein 21, U6 snRNA-specific terminal uridylyltransferase 1, U6-TUTase, TUT1, RBM21

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TUT1 Antibody (N-term) Blocking peptide - Protein Information

Name TUT1

Synonyms RBM21

Function

Poly(A) polymerase that creates the 3'-poly(A) tail of specific pre-mRNAs (PubMed:18288197, PubMed:21102410). Localizes to nuclear speckles together with PIP5K1A and mediates polyadenylation of a select set of mRNAs, such as HMOX1 (PubMed:18288197). 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 (PubMed:21102410). In addition to adenylyltransferase activity, also has uridylyltransferase activity (PubMed:16790842, PubMed:18288197, PubMed:28589955). However, the

ATP ratio is higher than UTP in cells, suggesting that it functions primarily as a poly(A) polymerase (PubMed:18288197). 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 (PubMed:16790842, PubMed:18288197, PubMed:28589955). Not involved in replication-dependent histone mRNA degradation.

Cellular Location

Nucleus, nucleolus. Nucleus speckle

Tissue Location

Widely expressed..

TUT1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TUT1 Antibody (N-term) Blocking peptide - Images