Product Name: TUTase Rabbit Polyclonal Antibody
Catalog #: APRab19438

Summary

Production Name	TUTase Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	TUT1
Alternative Names	TUT1; RBM21; 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
Gene ID	64852.0
SwissProt ID	Q9H6E5. The antiserum was produced against synthesized peptide derived from human TUT1. AA range:291-340

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:20000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	95kDa

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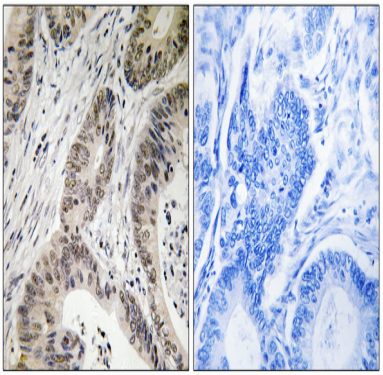
Background

This gene encodes a nucleotidyl transferase that functions as both a terminal uridylyltransferase and a nuclear poly(A) polymerase. The encoded enzyme specifically adds and removes nucleotides from the 3' end of small nuclear RNAs and select mRNAs and may function in controlling gene expression and cell proliferation.[provided by RefSeq, Apr 2009],catalytic activity:UTP + RNA(n) = diphosphate + RNA(n+1).,function:Highly specific terminal uridylyltransferase that exclusively accepts U6 snRNA as substrate. U6 snRNA is unique in that nucleotides are both added to and removed from its 3'-end. U6-TUTase is responsible for a controlled elongation reaction that results in the restoration of the four 3'-terminal UMP-residues found in newly transcribed U6 snRNA.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 RRM (RNA recognition motif) domain.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using TUT1 Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.