



# TUTase Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-02806
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	TUT1
<b>Protein Name</b>	Speckle targeted PIP5K1A-regulated poly(A) polymerase
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TUT1. AA range:291-340
<b>Specificity</b>	TUTase Monoclonal Antibody detects endogenous levels of TUTase protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	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
<b>Observed Band</b>	95kD
<b>Cell Pathway</b>	Nucleus, nucleolus . Nucleus speckle .
<b>Tissue Specificity</b>	Widely expressed.
<b>Function</b>	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.,
<b>Background</b>	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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**