

## TUTase Polyclonal Antibody

<b>Catalog No :</b>	YT4784
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	TUTase
<b>Gene Name :</b>	TUT1
<b>Protein Name :</b>	Speckle targeted PIP5K1A-regulated poly(A) polymerase
<b>Human Gene Id :</b>	64852
<b>Human Swiss Prot No :</b>	Q9H6E5
<b>Mouse Swiss Prot No :</b>	Q8R3F9
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human TUT1. AA range:291-340
<b>Specificity :</b>	TUTase Polyclonal 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>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	95kD

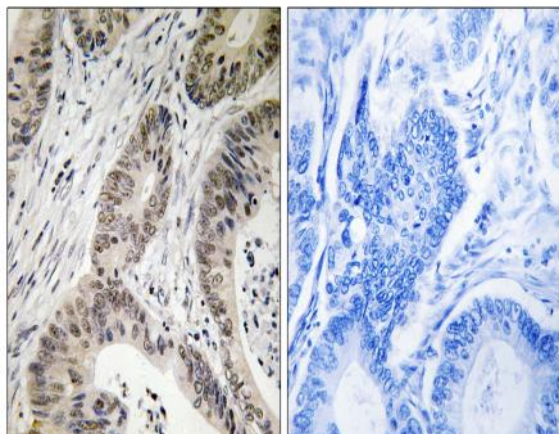
**Background :** This gene encodes a nucleotidyl transferase that functions as both a terminal uridylyltransferase and a nuclear poly(A) polymerase. The encoded enzyme specifically adds and removes nucleotides from the 3' end of small nuclear RNAs and select mRNAs and may function in controlling gene expression and cell proliferation.[provided by RefSeq, Apr 2009],

**Function :** 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.,

**Subcellular Location :** Nucleus, nucleolus . Nucleus speckle .

**Expression :** Widely expressed.

## Products Images



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