

# Immunotag™ TUTase Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4784
Product Description	Immunotag™ TUTase Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TUTase
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human TUT1. AA range:291-340
Specificity	TUTase Polyclonal Antibody detects endogenous levels of TUTase protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TUT1
Accession No.	Q9H6E5 Q8R3F9
Alternate 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

## Antibody Specification

Description	terminal uridylyl transferase 1, U6 snRNA-specific(TUT1) Homo sapiens 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],
Protein Expression	Colon, Eye, Spleen, Testis,
Subcellular Localization	nucleus, nucleolus, mRNA cleavage and polyadenylation specificity factor complex, nuclear speck, intercellular bridge,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.