

# Immunotag™ TUTase Antibody

Antibody Specification	
Catalog No.	ITA2261
Product Description	Immunotag™ TUTase Antibody
Size	100 µg, 200 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,ELISA
Recommended Dilution	WB 1:1000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human TUTase
Specificity	TUTase Antibody detects endogenous levels of total TUTase
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	TUT1
Accession No.	Q9H6E5

## Antibody Specification

Alternate Names	alpha regulated poly(A) polymerase; nuclear speckle targeted phosphatidylinositol 4 phosphate 5 kinase type I; nuclear speckle targeted PIPK1A regulated poly(A) polymerase; PAP associated domain containing 2; PAPD2; poly(A) polymerase associated domain containing 2; RBM21; RNA binding motif protein 21; RNA-binding motif protein 21; RNA-binding protein 21; Speckle targeted PIP5K1A-regulated poly(A) polymerase; Star-PAP; STARPAP; STPAP_HUMAN; terminal uridylyl transferase 1, U6 snRNA specific; TUT1; TUTase; U6 snRNA specific terminal uridylyltransferase 1; U6 snRNA-specific terminal uridylyltransferase 1; U6 TUTase; U6-TUTase; URLC6;
Description	Poly(A) polymerase that creates the 3'-poly(A) tail of specific pre-mRNAs. Localizes to nuclear speckles together with PIP5K1A and mediates polyadenylation of a select set of mRNAs, such as HMOX1. 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. In addition to adenylyltransferase activity, also has uridylyltransferase activity. However, the ATP ratio is higher than UTP in cells, suggesting that it functions primarily as a poly(A) polymerase. 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. Not involved in replication-dependent histone mRNA degradation.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	95kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.