.-online.com antibodies

Datasheet for ABIN7184310 anti-TUT1 antibody

2 Images



Overview

| Quantity: | 100 μL |
|--------------|--|
| Target: | TUT1 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TUT1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| Immunogen: | Synthesized peptide derived from internal of Human TUT1. |
|-------------------|---|
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

Target Details

| Target: | TUT1 | |
|-------------------|---|--|
| Alternative Name: | TUT1 (TUT1 Products) | |
| Background: | Background: 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 | |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7184310 | 09/10/2023 | Copyright antibodies-online. All rights reserved. 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.

Ota T., Nat. Genet. 36:40-45(2004).

The MGC Project Team, Genome Res. 14:2121-2127(2004).

Trippe R.,RNA 12:1494-1504(2006).

Aliases: alpha regulated poly(A) polymerase antibody, nuclear speckle targeted phosphatidylinositol 4 phosphate 5 kinase type I antibody, nuclear speckle targeted PIPK1A regulated poly(A) polymerase antibody, PAP associated domain containing 2 antibody, PAPD2 antibody, poly(A) polymerase associated domain containing 2 antibody, RBM21 antibody, RNA binding motif protein 21 antibody, RNA-binding motif protein 21 antibody, RNA-binding protein 21 antibody, Speckle targeted PIP5K1A-regulated poly(A) polymerase antibody, Star-PAP antibody, STARPAP antibody, STPAP_HUMAN antibody, terminal uridylyl transferase 1, U6 snRNA specific antibody, TUT1 antibody, TUTase antibody, U6 snRNA specific terminal uridylyltransferase 1 antibody, U6 snRNA-specific terminal uridylyltransferase 1 antibody, U6 TUTase antibody, U6-TUTase antibody, URLC6 antibody

UniProt:

Q9H6E5

Application Details

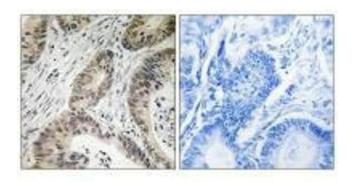
| Application Notes: | WB:1:500-1:3000, IHC:1:50-1:100, | |
|--------------------|---|--|
| Restrictions: | For Research Use only | |
| | | |
| Handling | | |
| Format: | Liquid | |
| Buffer: | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, | |
| | 0.02 % sodium azide and 50 % glycerol. | |
| Preservative: | Sodium azide | |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which | |

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Handling

should be handled by trained staff only.Storage:-20 °C,-80 °CStorage Comment:Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffinembedded human colon carcinoma tissue using TUT1 antibody.

| 3T3 | |
|--------|-------------------|
| тит1 — | 250 150 100 |
| 1011 | 75 |
| | 50 |
| | 37 |
| | 25 |
| | 20 |
| | 15 |
| | (kd) |

Western Blotting

Image 2. Western blot analysis of extracts from 3T3 cells, using TUT1 antiobdy.

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