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Datasheet for ABIN7467096

**anti-QTRT1 antibody (Catalytic Subunit 1)**

## Overview

Quantity:	100 µL
Target:	QTRT1
Binding Specificity:	Catalytic Subunit 1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This QTRT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human QTRT1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	QTRT1
Alternative Name:	queuine tRNA-ribosyltransferase ( <a href="#">QTRT1 Products</a> )

## Target Details

Background:	Queueine tRNA-ribosyltransferase catalytic subunit 1 , FP3235 , TGT , TGUT,tRNA-guanine transglycosylase (TGT, EC 2.4.2.29) synthesizes queuosine (Q), which is found in tRNAs that recognize NAU and NAC codons, encoding tyr, asn, asp, and his. Prokaryotic TGT is a single protein of 43 kD. In contrast, mammalian TGT appears to be a heterodimer consisting of a 60-kD subunit (USP14, MIM 607274) and a 43-kD catalytic subunit (QTRT1) (Deshpande and Katze, 2001 [PubMed 11255023]).[supplied by OMIM]
Molecular Weight:	44 kDa
Gene ID:	81890
UniProt:	<a href="#">Q9BXR0</a>
Pathways:	<a href="#">Ribonucleoside Biosynthetic Process</a>

## Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: NT2D1 , PC-3
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.89 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.