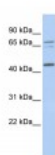




QTRT1 Antibody

CATALOG NUMBER: 26-365



Antibody used in WB on Human MCF-7 at
0.2-1 ug/ml.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	QTRT1 antibody can be used for detection of QTRT1 by ELISA at 1:62500. QTRT1 antibody can be used for detection of QTRT1 by western blot at 1 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1219 - MCF7 Cell Lysate
PREDICTED MOLECULAR WEIGHT:	44 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human QTRT1.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4°C. For longer periods of storage, store QTRT1 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	QTRT1, FP3235, TGT, TGUT
ACCESSION NO.:	NP_112486
PROTEIN GI NO.:	13654276

OFFICIAL SYMBOL: QTRT1

GENE ID: 81890

Background

BACKGROUND: 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). 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]).

REFERENCES: 1) Deshpande, K.L. Gene 265 (1-2), 205-212 (2001).

FOR RESEARCH USE ONLY

December 12, 2016