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## HIGH PERFORMANCE ANTIBODIES ... AND MORE

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## **QTRT1 Antibody**

CATALOG NUMBER: 26-365



Antibody used in WB on Human MCF-7 at 0.2-1  $\mbox{ug/ml}$ .

SPECIES REACTIVITY:         Human, Mouse, Rat           TESTED APPLICATIONS:         ELISA, WB           APPLICATIONS:         CTRT1 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           WEIGHT:         Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human QTRT1.           HOST SPECIES:         Rabbit           Properties         Rabbit           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           ALTERNATE NAMES:         QTRT1, FP3225	Specifications	
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CONJUGATE: Unconjugated  Additional Info ALTERNATE NAMES: QTRT1, FP3235, TGT, TGUT ACCESSION NO.: NP_112486	STORAGE CONDITIONS:	
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ALTERNATE NAMES:         QTRT1, FP3235, TGT, TGUT           ACCESSION NO.:         NP_112486	CONJUGATE:	Unconjugated
ALTERNATE NAMES:         QTRT1, FP3235, TGT, TGUT           ACCESSION NO.:         NP_112486	A delitional Info	
ACCESSION NO.: NP_112486		
PROTEIN GI NO.: 13654276		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

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