

QTRT1 mouse monoclonal antibody (hybridoma)

Catalog # H00081890-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant QTRT1.
Immunogen	QTRT1 (AAH15350.1, 1 a.a. ~ 358 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPVGTQATMKGITTEQLDALGCRICLGNTYHLGLRPGPELIQKANGLHGFMNWPNNLLTDSGGFQ MVSLVSLSEVTEEGVRFRRSPYDGNETLLSPEKSVQIQNALGSDIIMQLDDVVSSVTGPRVEEAM YRSIRWLDRCIAAHQRPDKQNLFAIIQGGLDADLRATCLEEMTKRDVPGFAIGGLSGGESKSKQFW RMVALSTSRLPKDKPRYLMGVGYATDLVVCVALGCDMFDCVFPTRTARFGSALVPTGNLQLRKK VFEKDFGPIDPECTCPTCQKHSRAFLHALLHSDNTAALHHLTVHNIAYQLQLMSAVRTSIVEKRFP DFVRDFMGAMYGDPTLCPTWATDALASVGITLG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (88)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — QTRT1

Entrez GeneID [81890](#)

GeneBank Accession# [BC015350.1](#)

Protein Accession# [AAH15350.1](#)

Gene Name QTRT1

Gene Alias FP3235, TGT

Gene Description queuine tRNA-ribosyltransferase 1

Omim ID [609615](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 Kautz, 2001 [PubMed 11255023]).[supplied by OMIM]

Other Designations tRNA-guanine transglycosylase