For Research Use Only

QTRT1 Polyclonal antibody, PBS Only

Catalog Number:12349-1-PBS Featured Product

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Basic Information

Catalog Number:
12349-1-PBS

Concentration:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3010

GenBank Accession Number:
BC015350

GeneID (NCBI):
81890

UNIPROT ID:
Q9BXR0

Full Name:
queuine tRNA-ribosyltransferase 1

Calculated MW:
403 aa, 44 kDa

Observed MW:
44 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

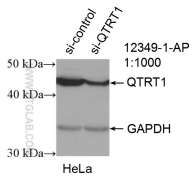
QTRT1 (Queuine tRNA-ribosyltransferase catalytic subunit 1), also known as tRNA-guanine transglycosylase (TGT), is a key enzymeinvolved in the post-transcriptional modification of tRNAs. In humans, the QTRT1 and QTRT2 heterodimer complex exhibits transglycosylase activity, and replaces the guanine base of the first letter of the tRNA anticodon with q, thus forming Q on the tRNA (PMID: 30149595, 25884661). High QTRT1 expression is a biomarkerfor poor prognosis in LUAD patients, and QTRT1 mayfunction as a latent tumor biomarker in the prognosticprediction for LUAD (PMID: 33490170).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



WB result of QTRT1 antibody (12349-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-QTRT1 transfected HeLa cells. This data was developed using the same antibody clone with 12349-1-PBS in a different storage buffer formulation.