

THG1L Rabbit pAb

CatalogNo: YN7107

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 33kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human THG1L

Specificity This antibody detects endogenous levels of THG1L at Human, Mouse, Rat

Target Information

Gene name THG1L ICF45

Protein Name Probable tRNA(His) guanylyltransferase (Interphase cytoplasmic foci protein 45) (tRNA-histidine guanylyltransferase)

Organism	Gene ID	UniProt ID
Human	54974 ;	Q9NWX6 ;
Mouse	66628 ;	Q9CY52 ;
Rat	303067 ;	Q5M965 ;

Cellular Localization Cytoplasm . Mitochondrion outer membrane .

Tissue specificity Expressed in many tissues.

Function Adds a GMP to the 5'-end of tRNA(His) after transcription and RNase P cleavage. This step is essential for proper recognition of the tRNA and for the fidelity of protein synthesis (Probable). Also functions as a guanyl-nucleotide exchange factor/GEF for the MFN1 and MFN2 mitofusins thereby regulating mitochondrial fusion . By regulating both mitochondrial dynamics and bioenergetic function, it contributes to cell survival following oxidative stress .

| Validation Data

| Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
THG1L Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)