

THG1L antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12849**Specification**

THG1L antibody - middle region - Product Information

Application	WB
Primary Accession	O9NWX6
Other Accession	NM_017872 , NP_060342
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted Host	Human, Chicken, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 35kDa KDa

THG1L antibody - middle region - Additional Information**Gene ID** 54974**Alias Symbol** **FLJ11601, FLJ20546, ICF45****Other Names**

Probable tRNA(His) guanylyltransferase, 2.7.7.79, Interphase cytoplasmic foci protein 45, tRNA-histidine guanylyltransferase, THG1L, ICF45

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-THG1L antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

THG1L antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

THG1L antibody - middle region - Protein Information**Name** THG1L**Synonyms** ICF45**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 (PubMed:25008184, PubMed:27307223)

target="_blank">27307223). By regulating both mitochondrial dynamics and bioenergetic function, it contributes to cell survival following oxidative stress (PubMed:25008184, PubMed:27307223).

Cellular Location

Cytoplasm. Mitochondrion outer membrane

Tissue Location

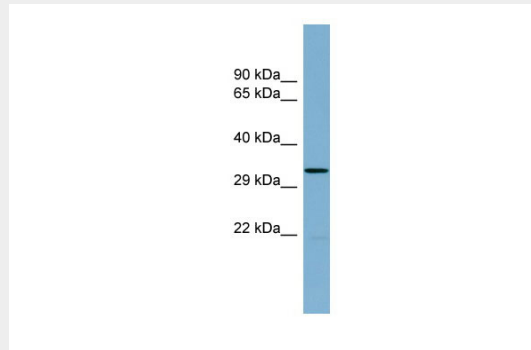
Expressed in many tissues.

THG1L antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

THG1L antibody - middle region - Images



WB Suggested Anti-THG1L Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: Human Spleen

THG1L antibody - middle region - References

Guo,D.,(2004)J.Biol.Chem.279(51),53498-53505ReconstitutionandStorage:Forshorttermuse,storeat 2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.