

**PTRH1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17745c****Specification**

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**PTRH1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q86Y79](#)**PTRH1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 138428**Other Names**

Probable peptidyl-tRNA hydrolase, PTH, PTRH1, C9orf115

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PTRH1 Antibody (Center) Blocking Peptide - Protein Information****Name** PTRH1 {ECO:0000303|PubMed:30244831, ECO:0000312|HGNC:HGNC:27039}**Function**

Peptidyl-tRNA hydrolase that cleaves nascent chains-tRNAs that are not stably fixed in the P-site of 60S ribosome-nascent chain complexes (PubMed:<a href="http://www.uniprot.org/citations/30244831" target="\_blank">30244831</a>). Acts downstream of the ribosome-associated quality control (RQC) pathway to release non-ubiquitinated nascent chains from 60S and 80S ribosome-nascent chain complexes (PubMed:<a href="http://www.uniprot.org/citations/30244831" target="\_blank">30244831</a>). Does not act on ubiquitinated nascent chains, which are cleaved by ANKZF1 for degradation (PubMed:<a href="http://www.uniprot.org/citations/30244831" target="\_blank">30244831</a>).

**PTRH1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PTRH1 Antibody (Center) Blocking Peptide - Images**

**PTRH1 Antibody (Center) Blocking Peptide - Background**

C9orf115 belongs to the Peptidyl-tRNA hydrolase (PTH) family. Peptidyl-tRNA hydrolase (PTH) is a monomeric protein that cleaves the ester bond linking the nascent peptide and tRNA when peptidyl-tRNA is released prematurely from the ribosome. This ensures the recycling of peptidyl-tRNAs into tRNAs produced through abortion of translation and is essential for cell viability.

**PTRH1 Antibody (Center) Blocking Peptide - References**

Satoh, J., et al. Neuropathol. Appl. Neurobiol. 35(1):16-35(2009) De Pereda, J.M., et al. J. Biol. Chem. 279(9):8111-8115(2004)