

TYW3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP5005b**Specification**

TYW3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q6IPR3](#)**TYW3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 127253**Other Names**tRNA wybutosine-synthesizing protein 3 homolog, tRNA-yW-synthesizing protein 3, tRNA(Phe)
7-((3-amino-3-carboxypropyl)-4-demethylwyosine(37)-N(4))-methyltransferase, TYW3, C1orf171**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.

TYW3 Antibody (C-term) Blocking Peptide - Protein Information**Name** TYW3**Synonyms** C1orf171**Function**

Probable S-adenosyl-L-methionine-dependent methyltransferase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA (By similarity).

TYW3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TYW3 Antibody (C-term) Blocking Peptide - Images**TYW3 Antibody (C-term) Blocking Peptide - Background**

Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TYW3 is the human homolog of a yeast gene essential for yW synthesis.

TYW3 Antibody (C-term) Blocking Peptide - References

Noma, A., et al. Nucleic Acids Symp Ser (Oxf) 50, 65-66 (2006)