

# TYW3 Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP5005b

### **Specification**

### TYW3 Antibody (C-term) Blocking Peptide - Product Information

**Primary Accession** 

O6IPR3

### 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, Clorf171

#### **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 Clorf171

#### **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

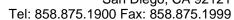
Provided below are standard protocols that you may find useful for product applications.

• 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)