

**ATPBD3 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10349c****Specification**

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**ATPBD3 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O7Z7A3](#)  
Other Accession [NP\\_660275.2](#)

**ATPBD3 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 90353

**Other Names**

Cytoplasmic tRNA 2-thiolation protein 1 {ECO:0000255|HAMAP-Rule:MF\_03053}, 277-  
{ECO:0000255|HAMAP-Rule:MF\_03053}, ATP-binding domain-containing protein 3  
{ECO:0000255|HAMAP-Rule:MF\_03053}, Cancer-associated gene protein, Cytoplasmic tRNA  
adenylyltransferase 1 {ECO:0000255|HAMAP-Rule:MF\_03053}, CTU1  
{ECO:0000255|HAMAP-Rule:MF\_03053}

**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.

**ATPBD3 Antibody (Center) Blocking peptide - Protein Information**

**Name** CTU1 {ECO:0000255|HAMAP-Rule:MF\_03053}

**Function**

Plays a central role in 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). Directly binds tRNAs and probably acts by catalyzing adenylation of tRNAs, an intermediate required for 2-thiolation. It is unclear whether it acts as a sulfurtransferase that transfers sulfur from thiocarboxylated URM1 onto the uridine of tRNAs at wobble position.

**Cellular Location**

Cytoplasm.

**ATPBD3 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**ATPBD3 Antibody (Center) Blocking peptide - Images****ATPBD3 Antibody (Center) Blocking peptide - References**

Schlieker, C.D., et al. Proc. Natl. Acad. Sci. U.S.A. 105(47):18255-18260(2008)Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)