

**CDKAL1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP5021a****Specification**

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**CDKAL1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q5VV42](#)**CDKAL1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 54901**Other Names**

Threonylcarbamoyladenosine tRNA methylthiotransferase, CDK5 regulatory subunit-associated protein 1-like 1, tRNA-t(6)A37 methylthiotransferase, CDKAL1

**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.

**CDKAL1 Antibody (N-term) Blocking Peptide - Protein Information****Name** CDKAL1**Function**

Catalyzes the methylthiolation of N6- threonylcarbamoyladenosine (t(6)A), leading to the formation of 2- methylthio-N6-threonylcarbamoyladenosine (ms(2)t(6)A) at position 37 in tRNAs that read codons beginning with adenine.

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass membrane protein. Note=Is a tail-anchored protein that exploits the TCR40 pathway for insertion into the endoplasmic reticulum

**Tissue Location**

Expressed in pancreatic islets.

**CDKAL1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CDKAL1 Antibody (N-term) Blocking Peptide - Images**

#### **CDKAL1 Antibody (N-term) Blocking Peptide - References**

Ruchat, S.M., et al. Diabetologia 53(4):679-689(2010) Ruchat, S.M., et al. J Nutrigenet Nutrigenomics 2 (4-5), 225-234 (2010) Pierce, B.L., et al. Hum. Hered. 69(3):193-201(2010)