

**C7orf60 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13097b****Specification**

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**C7orf60 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q1RMZ1](#)**C7orf60 Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 154743

**Other Names**Probable methyltransferase BTM2 homolog {ECO:0000255|HAMAP-Rule:MF\_03044}, 211-  
{ECO:0000255|HAMAP-Rule:MF\_03044}, C7orf60**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13097b was selected from the C-term region of C7orf60. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**C7orf60 Antibody (C-term) Blocking peptide - Protein Information****Name** SAMTOR {ECO:0000303|PubMed:29123071, ECO:0000312|HGNC:HGNC:26475}**Function**

S-adenosyl-L-methionine-binding protein that acts as an inhibitor of mTORC1 signaling via interaction with the GATOR1 and KICSTOR complexes (PubMed:<a href="http://www.uniprot.org/citations/29123071" target="\_blank">29123071</a>, PubMed:<a href="http://www.uniprot.org/citations/35776786" target="\_blank">35776786</a>). Acts as a sensor of S-adenosyl-L-methionine to signal methionine sufficiency to mTORC1: in presence of methionine, binds S-adenosyl-L-methionine, leading to disrupt interaction with the GATOR1 and KICSTOR complexes and promote mTORC1 signaling (PubMed:<a href="http://www.uniprot.org/citations/29123071" target="\_blank">29123071</a>, PubMed:<a href="http://www.uniprot.org/citations/35776786" target="\_blank">35776786</a>). Upon methionine starvation, S-adenosyl-L-methionine levels are reduced, thereby promoting the association with GATOR1 and KICSTOR, leading to inhibit mTORC1 signaling (PubMed:<a href="http://www.uniprot.org/citations/29123071" target="\_blank">29123071</a>, PubMed:<a href="http://www.uniprot.org/citations/35776786" target="\_blank">35776786</a>).

href="http://www.uniprot.org/citations/35776786" target="\_blank">35776786</a>). Probably also acts as a S-adenosyl-L-methionine-dependent methyltransferase (Potential).

### **C7orf60 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **C7orf60 Antibody (C-term) Blocking peptide - Images**

### **C7orf60 Antibody (C-term) Blocking peptide - Background**

The specific function of this protein remains unknown.

### **C7orf60 Antibody (C-term) Blocking peptide - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :Anney, R.J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1369-1378 (2008) :