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C7orf60 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13097b

Specification

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 BMT2 {ECO:0000255|HAMAP-Rule:MF_03044, 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:29123071, PubMed:35776786). 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:29123071, PubMed:35776786). Upon methionine starvation, S-adenosyl-L-methionine levels are reduced, thereby promoting the association with GATOR1 and KICSTOR, leading to inhibit mTORC1 signaling (PubMed:29123071, PubMed:<a

href="http://www.uniprot.org/citations/35776786" target="_blank">35776786). 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) :