C7orf20 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9611b

Specification

C7orf20 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession   [Q7L5D6](Q7L5D6)

C7orf20 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 51608

Other Names
Golgi to ER traffic protein 4 homolog, Conserved edge-expressed protein, Transmembrane domain recognition complex 35 kDa subunit, TRC35, GET4, C7orf20, CEE, TRC35

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.

C7orf20 Antibody (C-term) Blocking Peptide - Protein Information

Name GET4 (HGNC:21690)

Synonyms C7orf20, CEE, TRC35

Function
As part of a cytosolic protein quality control complex, the BAG6/BAT3 complex, maintains misfolded and hydrophobic patches- containing proteins in a soluble state and participates in their proper delivery to the endoplasmic reticulum or alternatively can promote their sorting to the proteasome where they undergo degradation (PubMed:20676083, PubMed:21636303, PubMed:21743475, PubMed:28104892, PubMed:32395830). The BAG6/BAT3 complex is involved in the post- translational delivery of tail-anchored/type II transmembrane proteins to the endoplasmic reticulum membrane. Recruited to ribosomes, it interacts with the transmembrane region of newly synthesized tail- anchored proteins and together with SGTA and ASNA1 mediates their delivery to the endoplasmic reticulum (PubMed:20676083, PubMed:28104892, PubMed:<a

href="http://www.uniprot.org/citations/25535373" target="_blank">25535373). Client proteins that cannot be properly delivered to the endoplasmic reticulum are ubiquitinated and sorted to the proteasome (PubMed:28104892). Similarly, the BAG6/BAT3 complex also functions as a sorting platform for proteins of the secretory pathway that are mislocalized to the cytosol either delivering them to the proteasome for degradation or to the endoplasmic reticulum (PubMed:21743475). The BAG6/BAT3 complex also plays a role in the endoplasmic reticulum-associated degradation (ERAD), a quality control mechanism that eliminates unwanted proteins of the endoplasmic reticulum through their retrotranslocation to the cytosol and their targeting to the proteasome. It maintains these retrotranslocated proteins in an unfolded yet soluble state condition in the cytosol to ensure their proper delivery to the proteasome (PubMed:21636303).

Cellular Location
Cytoplasm, cytosol

C7orf20 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

C7orf20 Antibody (C-term) Blocking Peptide - Images

C7orf20 Antibody (C-term) Blocking Peptide - Background

CEE (Conserved edge expressed protein) belongs to the UPF0363 family.

C7orf20 Antibody (C-term) Blocking Peptide - References

Chang, Y.W., et al. J. Biol. Chem. 285(13):9962-9970(2010)Fernandes, J.M., et al. Genomics 91(4):315-325(2008)