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MUTED Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10139c

Specification

MUTED Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q8TDH9
Other Accession	NP_958437.1

MUTED Antibody (Center) Blocking peptide - Additional Information

Gene ID 63915

Other Names
Biogenesis of lysosome-related organelles complex 1 subunit 5, BLOC-1 subunit 5, Protein Muted homolog, BLOC1S5, MUTED

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.

MUTED Antibody (Center) Blocking peptide - Protein Information

Name BLOC1S5 (HGNC:18561)

Synonyms MUTED

Function
Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes (PubMed:32565547). In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension. Plays a role in intracellular vesicle trafficking.

MUTED Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

MUTED Antibody (Center) Blocking peptide - Images

MUTED Antibody (Center) Blocking peptide - Background

This gene encodes a component of BLOC-1 (biogenesis oflysosome-related organelles complex 1). Components of this complexare involved in the biogenesis of organelles such as melanosomesand platelet-dense granules. A mouse model for Hermansky-PudlakSyndrome is mutated in the murine version of this gene. Alternativesplicing results in multiple transcript variants.
Read-throughtranscription exists between this gene and the upstream EEF1E1(eukaryotic translation elongation factor 1 epsilon 1) gene, aswell as with the downstream TXNDC5 (thioredoxin domain containing5) gene.

MUTED Antibody (Center) Blocking peptide - References

Morris, D.W., et al. Biol. Psychiatry 63(1):24-31(2008)Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)Starcevic, M., et al. J. Biol. Chem. 279(27):28393-28401(2004)Li, W., et al. Nat. Genet. 35(1):84-89(2003)Ciciotte, S.L., et al. Blood 101(11):4402-4407(2003)