

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

Specification

MUTED Antibody (Center) Blocking peptide - Product Information

Primary Accession [O8TDH9](#)
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 of lysosome-related organelles complex 1). Components of this complex are involved in the biogenesis of organelles such as melanosomes and platelet-dense granules. A mouse model for Hermansky-Pudlak Syndrome is mutated in the murine version of this gene. Alternative splicing results in multiple transcript variants. Read-through transcription exists between this gene and the upstream *EEF1E1* (eukaryotic translation elongation factor 1 epsilon 1) gene, as well as with the downstream *TXNDC5* (thioredoxin domain containing 5) 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)