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BLOC1S2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5538c

Specification

BLOC1S2 Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q6ONY1
Other Accession	NP_776170.2

BLOC1S2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 282991

Other Names
Biogenesis of lysosome-related organelles complex 1 subunit 2, BLOC-1 subunit 2, Centrosome-associated protein, BLOC1S2, BLOS2, CEAP

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.

BLOC1S2 Antibody (Center) Blocking peptide - Protein Information

Name BLOC1S2

Synonyms BLOS2, CEAP

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:15102850, PubMed:17182842). 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 (By similarity). As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor (PubMed:25898167). May play a role in cell proliferation (PubMed:15381421).

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Lysosome membrane. Note=Localizes to the centrosomes in a microtubule-dependent manner.

Tissue Location
Isoform 1 and isoform 2 are widely expressed. Expressed in various malignant tumor tissues (at protein level)

BLOC1S2 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

BLOC1S2 Antibody (Center) Blocking peptide - Images

BLOC1S2 Antibody (Center) Blocking peptide - Background

BLOC1S2 is a component of the ubiquitously expressed BLOC1multisubunit protein complex. BLOC1 is required for normalbiogenesis of specialized organelles of the endosomal-lysosomalsystem, such as melanosomes and platelet dense granules (Starcevicand Dell'Angelica, 2004 [PubMed 15102850]).

BLOC1S2 Antibody (Center) Blocking peptide - References

Rodriguez-Fernandez, I.A., et al. J. Inherit. Metab. Dis. 32(2):190-203(2009)Gdynia, G., et al. Apoptosis 13(3):437-447(2008)Wang, Z., et al. J. Mol. Biol. 343(1):71-82(2004)