

HPS1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10209a**Specification**

HPS1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O92902](#)
Other Accession [NP_872577.1](#), [NP_000186.2](#)

HPS1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 3257

Other Names

Hermansky-Pudlak syndrome 1 protein, HPS1, HPS

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.

HPS1 Antibody (N-term) Blocking peptide - Protein Information

Name HPS1

Synonyms HPS

Function

Component of the BLOC-3 complex, a complex that acts as a guanine exchange factor (GEF) for RAB32 and RAB38, promotes the exchange of GDP to GTP, converting them from an inactive GDP-bound form into an active GTP-bound form. The BLOC-3 complex plays an important role in the control of melanin production and melanosome biogenesis and promotes the membrane localization of RAB32 and RAB38 (PubMed:23084991).

Tissue Location

Ubiquitous.

HPS1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HPS1 Antibody (N-term) Blocking peptide - Images

HPS1 Antibody (N-term) Blocking peptide - Background

This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is a component of three different protein complexes termed biogenesis of lysosome-related organelles complex (BLOC)-3, BLOC4, and BLOC5. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 1. Multiple transcript variants encoding distinct isoforms have been identified for this gene; the full-length sequences of some of these have not been determined yet. [provided by RefSeq].

HPS1 Antibody (N-term) Blocking peptide - References

Sandrock, K., et al. *Klin Padiatr* 222(3):168-174(2010) Kloer, D.P., et al. *J. Biol. Chem.* 285(10):7794-7804(2010) Wei, A., et al. *J. Invest. Dermatol.* 130(3):716-724(2010) Wei, A., et al. *J. Dermatol. Sci.* 56(2):130-132(2009) Fernandez, L.P., et al. *Exp. Dermatol.* 18(7):634-642(2009)