

**MLPH Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12611b****Specification**

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**MLPH Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q9BV36](#)**MLPH Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 79083**Other Names**

Melanophilin, Exophilin-3, Slp homolog lacking C2 domains a, SlaC2-a, Synaptotagmin-like protein 2a, MLPH, SLAC2A

**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.

**MLPH Antibody (C-term) Blocking peptide - Protein Information****Name** MLPH**Synonyms** SLAC2A**Function**

Rab effector protein involved in melanosome transport. Serves as link between melanosome-bound RAB27A and the motor protein MYO5A.

**Cellular Location**

Cytoplasm.

**MLPH Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**MLPH Antibody (C-term) Blocking peptide - Images**

**MLPH Antibody (C-term) Blocking peptide - Background**

This gene encodes a member of the exophilin subfamily of Rab effector proteins. The protein forms a ternary complex with the small Ras-related GTPase Rab27A in its GTP-bound form and the motor protein myosin Va. A similar protein complex in mouse functions to tether pigment-producing organelles called melanosomes to the actin cytoskeleton in melanocytes, and is required for visible pigmentation in the hair and skin. A mutation in this gene results in Griscelli syndrome type 3, which is characterized by a silver-gray hair color and abnormal pigment distribution in the hair shaft. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.

**MLPH Antibody (C-term) Blocking peptide - References**

Park, J.W., et al. J. Med. Genet. 43(7):598-608(2006) Seabra, M.C., et al. Traffic 5(6):393-399(2004) Fukuda, M., et al. J. Cell. Sci. 117 (PT 4), 583-591 (2004) :Lukusa, T., et al. Genet. Couns. 15(3):293-301(2004) Menasche, G., et al. J. Clin. Invest. 112(3):450-456(2003)