Elabscience®

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MLPH Polyclonal Antibody

Catalog No.	E-AB-61276	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IF	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
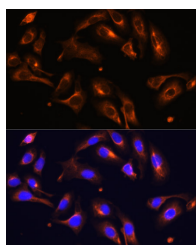
Images
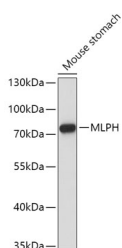
Western blot analysis of extracts of Mouse stomach using MLPH Polyclonal Antibody at dilution of 1:1000.
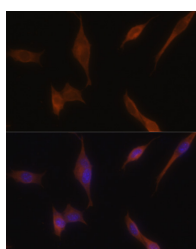
Immunofluorescence analysis of NIH-3T3 cells using MLPH Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of U-2 OS cells using MLPH Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Immunogen Information

Immunogen	Recombinant fusion protein of human MLPH (NP_077006.1).
GeneID	79083
Swissprot	Q9BV36
Synonyms	MLPH,SLAC2-A

Product Information

Calculated MW	50kDa/52kDa/60kDa/62kDa/65kDa
Observed MW	75kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IF 1:50-1:200

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 encoding different isoforms have been found for this gene.

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