

Rabbit anti-Human MLPH Polyclonal Antibody | anti-MLPH antibody

Anti-MLPH Antibody Picoband

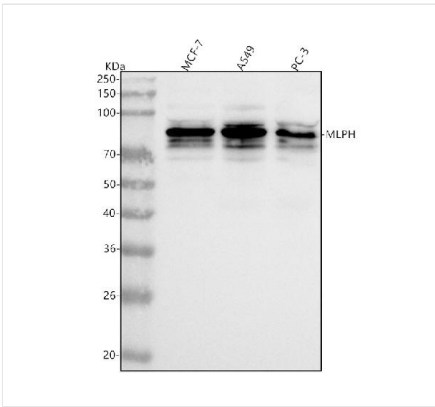
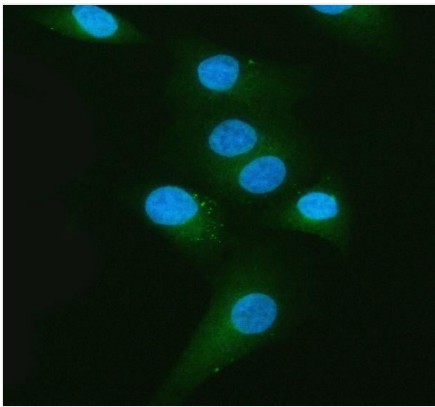
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127345	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

MLPH; Polyclonal Antibody; Anti-MLPH Antibody Picoband; anti-MLPH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MLPH antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human Melanophilin/MLPH recombinant protein (Position: E61-L523). Human Melanophilin/MLPH shares 61.6% amino acid (aa) sequence identity with mouse Melanophilin/MLPH.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IF (Immunofluorescence)
Figure 2. IF analysis of Melanophilin/MLPH using anti-Melanophilin/MLPH antibody (AAA127345).Melanophilin/MLPH was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-Melanophilin/MLPH Antibody (AAA127345) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

WB (Western Blot)
Figure 1. Western blot analysis of Melanophilin/MLPH using anti-Melanophilin/MLPH antibody (AAA127345).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human MCF-7 whole cell lysates,Lane 2: human A549 whole cell lysates,Lane 3: human PC-3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Melanophilin/MLPH antigen affinity purified polyclonal antibody (#AAA127345) at 0.25ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Melanophilin/MLPH at approximately 85 kDa. The expected band size for Melanophilin/MLPH is at 66 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MLPH antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-MLPH antibody	Primary Antibodies
References	1. Cagdas, D., Ozgur, T. T., Asal, G. T., Tezcan, I., Metin, A., Lambert, N., de Saint Basile, G., Sanal, O. Griscelli syndrome types 1 and 3: analysis of four new cases and long-term evaluation of previously diagnosed patients. Europ. J. Pediat. 171: 1527-1531, 2012. 2. Dagnewu, K. Y., Ayele, A., Liu, L., Pramanik, R., Onoufriadis, A., Abebe, E., McGrath, J. A. Griscelli syndrome type 3 in Ethiopian sisters resulting from a homozygous missense mutation in MLPH. (Letter) Int. J. Derm. 59: e55-e57, 2020.3. Demars, J., Iannuccelli, N., Utzeri, V. J., Auvinet, G., Riquet, J., Fontanesi, L., Allain, D. New insights into the melanophilin (MLPH) gene affecting coat color dilution in rabbits. Genes (Basel) 9: 430, 2018. Note: Electronic Article.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32129730
NCBI GeneID	79083
UniProt Accession #	Q9BV36; Q9HA71; B3KSS2; B4DKW7; G5E9G5
Molecular Weight	600
NCBI Official Full Name	Melanophilin
NCBI Official Synonym Full Names	melanophilin
NCBI Official Symbol	MLPH
NCBI Official Synonym Symbols	SLAC2-A

NCBI Protein Information	melanophilin; exophilin-3; synaptotagmin-like protein 2a; slp homolog lacking C2 domains a
UniProt Protein Name	Melanophilin
UniProt Gene Name	MLPH
UniProt Synonym Gene Names	SLAC2A; SlaC2-a
UniProt Entry Name	MELPH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mlph-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/127345>