

Rabbit anti-Human Myosin light chain 3/MYL3 Polyclonal Antibody | anti-MYL3 antibody

Anti-Myosin light chain 3/MYL3 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255872	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

Myosin light chain 3/MYL3; Polyclonal Antibody; Anti-Myosin light chain 3/MYL3 Antibody; Rabbit Polyclonal; Myosin light chain 3/MYL3 Antibody; Rabbit PAb; Antigen Affinity Purified; myosin; light chain 3; alkali; ventricular; skeletal; slow; Anti-CMH8 Antibody; Anti-MLC1SB Antibody; Anti-MLC1V Antibody; Anti-VLC1 Antibody; anti-MYL3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Myosin light chain 3/MYL3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MYL3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human Myosin light chain 3/MYL3 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human Myosin light chain 3/MYL3 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of MYL3 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human MYL3 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of MYL3 in cynomolgus heart with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of MYL3 in human skeletal muscle with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-MYL3 antibody

MYL3 (Myosin Light Chain 3) is a Protein Coding gene. MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both the ventricular isoform and the slow skeletal muscle isoform. Myosin is a hexameric contractile protein composed of 2 heavy chains associated with 4 light chains of 2 distinct classes-2 regulatory light chains (MYL2) and 2 essential light chains (MYL3). Mutations in genes encoding cardiac sarcomeric proteins are thought to be a very rare cause of hypertrophic cardiomyopathy (HCM) in infants and young children. A 3-month-old infant presenting with severe progressive HCM arising from a mutation in the gene encoding the essential light chain of myosin (MYL3). Diseases associated with MYL3 include Cardiomyopathy, Familial Hypertrophic, 8, and Hypertrophic Cardiomyopathy.

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/myosin-light-chain-3-myl3-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/255872>