

[Go to Product page](#)

Datasheet for ABIN1415403
anti-Myotilin antibody (AA 121-200) (HRP)

Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | Myotilin (MYOT) |
| Binding Specificity: | AA 121-200 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Myotilin antibody is conjugated to HRP |
| Application: | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human Myotilin |
| Isotype: | IgG |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Pig,Horse |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | Myotilin (MYOT) |
| Alternative Name: | Myotilin (MYOT Products) |
| Background: | Synonyms: 57 kDa cytoskeletal protein, LGMD 1, LGMD1, Myofibrillar titin like Ig domains |

Target Details

protein, Myofibrillar titin-like Ig domains protein, MYOT, MYOTI_HUMAN, Myotilin, Titin immunoglobulin domain protein, TTID, TTID protein.

Background: Myotilin, a sarcomeric protein that is encoded by the gene mapping to human chromosome 5q31, binds to α -actinin and is localized in the Z-line of myofibrils. Myotilin is expressed in skeletal and cardiac muscle, and it co-localizes with α -actinin in the sarcomeric I-bands where it directly interacts with α -actinin. Defects in the myotilin gene are reported to cause a form of autosomal dominant limb-girdle muscular dystrophy (LGMD). Symptoms of adult onset LGMD are progressive weakness of the hip and shoulder girdles as well as a distinctive dysarthric pattern of speech. The muscle of affected individuals with LGMD shows degeneration of myofibers, variations in fiber size, fiber splitting, centrally located myonuclei and an enhanced number of autophagic vesicles.

Gene ID: 9499

Application Details

Application Notes: IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 $\mu\text{g}/\mu\text{L}$

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months