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## Datasheet for ABIN1387888 **anti-MYF5 antibody (AA 61-160)**

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | MYF5  |
| Binding Specificity: | AA 61-160   |
| Reactivity:          | Mouse   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This MYF5 antibody is un-conjugated   |
| Application:         | ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human MYF5 |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Mouse, Rat   |
| Predicted Reactivity: | Human,Cow,Sheep,Pig,Horse,Chicken,Rabbit                 |
| Purification:         | Purified by Protein A.                                   |

### Target Details

|         |      |
|---------|------|
| Target: | MYF5 |
|---------|------|

## Target Details

|                   |  |
|-------------------|--|
| Alternative Name: | MYF5 ( <a href="#">MYF5 Products</a> )   |
| Background:       | <p>Synonyms: Myf-5, bHLHc2, Class C basic helix loop helix protein 2, Class C basic helix-loop-helix protein 2, Myf 5, Myf-5, Myf5, MYF5_HUMAN, Myogenic factor 5.</p> <p>Background: Differentiation of myogenic cells is regulated by multiple positively and negatively acting factors. One well characterized family of helix-loop-helix (HLH) proteins known to play an important role in the regulation of muscle cell development include Myo D, myogenin, Myf-5 and Myf-6 (also designated MRF-4 or herculin). Of interest, most muscle cells express either Myo D or Myf-5 in the committed state, but when induced to differentiate, all turn on expression of myogenin. Myo D transcription factors form heterodimers with products of a more widely expressed family of bHLH genes, the E family, which consists of at least three distinct genes: E2A, IF2 and HEB. Myo D-E heterodimers bind avidly to consensus (CANNTG) E box target sites that are functionally important elements in the upstream regulatory sequences of many muscle-specific terminal differentiation genes.</p> |
| Gene ID:          | 4617   |
| UniProt:          | <a href="#">P13349</a>   |
| Pathways:         | <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a>  |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only  |

## Handling

|                    |   |
|--------------------|---|
| Format:            | Liquid  |
| Concentration:     | 1 µg/µL   |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.               |
| Preservative:      | ProClin   |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be |

Handling

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|                  |   |
|------------------|---|
|                  | handled by trained staff only.  |
| Storage:         | 4 °C,-20 °C   |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date:     | 12 months   |