TRIM63 Polyclonal ANTIBODY

Catalog Number: 55456-1-AP

Basic Information

<table>
<thead>
<tr>
<th>Catalog Number:</th>
<th>GenBank Accession Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>55456-1-AP</td>
<td>NM_032598</td>
</tr>
<tr>
<td>Size:</td>
<td>GeneID (NCBI):</td>
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<tr>
<td>100 μg/150 μl</td>
<td>84676</td>
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</tbody>
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Source: Rabbit

Isotype: IgG

Purification Method: Antigen affinity purification

Immunogen Catalog Number: Tripartite motif-containing 63

Recommended Dilutions:

- WB: 1:500-1:1000
- IHC: 1:20-1:200
- IF: 1:10-1:100

Applications

Tested Applications:

- IF, IHC, WB, ELISA

Cited Applications:

- IHC, WB

Species Specificity: human, mouse, rat

Cited Species:

- human, mouse, rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

TRIM63, also named as IRF, MURF1, RNF28 and SMRZ, is an E3 ubiquitin ligase. It regulates the proteasomal degradation of cardiac troponin I (TNNI3) and probably of other sarcomeric-associated proteins. TRIM63 may play a role in striated muscle atrophy and hypertrophy by regulating an anti-hypertrophic PKC-mediated signaling pathway. It may regulate the organization of myofibrils through TTN in muscle cells. This antibody is specific to TRIM63.

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chih-Ying Changchien</td>
<td>30949338</td>
<td>Chem Biol Interact</td>
<td>WB</td>
</tr>
<tr>
<td>Luchu Zhang</td>
<td>2624337</td>
<td>J Agric Food Chem</td>
<td>WB</td>
</tr>
<tr>
<td>Xiaojiao Sun</td>
<td>30734296</td>
<td>Br J Pharmacol</td>
<td>WB</td>
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Storage

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 55456-1-AP (TRIM63 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human heart using 55456-1-AP (TRIM63 antibody) at dilution of 1:50 (under 10x lens)

Immunohistochemical of paraffin-embedded human heart using 55456-1-AP (TRIM63 antibody) at dilution of 1:50 (under 40x lens)

Immunofluorescent analysis of HeLa cells using 55456-1-AP (TRIM63 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.