

For Research Use Only

# Telethonin Polyclonal antibody, PBS Only

Catalog Number: 16104-1-PBS



## Basic Information

**Catalog Number:**

16104-1-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG9014

**GenBank Accession Number:**

BC012628

**GeneID (NCBI):**

8557

**UNIPROT ID:**

O15273

**Full Name:**

titin-cap (telethonin)

**Calculated MW:**

167 aa, 19 kDa

**Observed MW:**

19-21 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

Telethonin, also known as TCAP, is a sarcomeric protein found exclusively in striated and cardiac muscle, where it localizes to the periphery of Z discs that define the border of the sarcomere. It binds to the N-terminus of myoglobin, effectively increasing its mechanical resistance. Mutations in this gene are associated with limb-girdle muscular dystrophy type 2G (PMID: 19679566).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

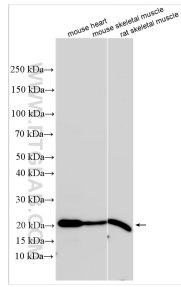
For technical support and original validation data for this product please contact:

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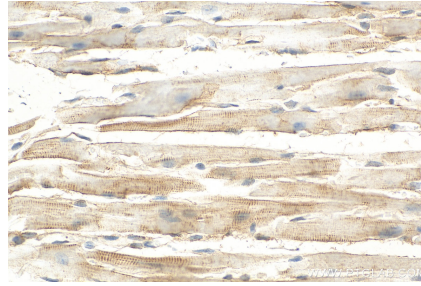
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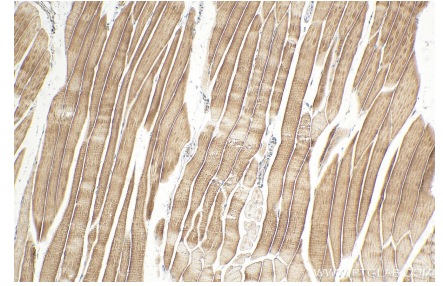
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16104-1-AP (Telethonin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16104-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 16104-1-AP (Telethonin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16104-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 16104-1-AP (Telethonin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16104-1-PBS in a different storage buffer formulation.