

**TNNI1 Antibody (N-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3969a****Specification**

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**TNNI1 Antibody (N-Term) - Product Information**

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|-------------------|----------------------------------------------------|
| Application       | <b>WB</b>                                          |
| Primary Accession | <a href="#">P19237</a>                             |
| Other Accession   | <a href="#">NP_003272.3</a> , <a href="#">7135</a> |
| Reactivity        | <b>Human, Mouse</b>                                |
| Predicted         | <b>Pig, Cow</b>                                    |
| Host              | <b>Goat</b>                                        |
| Clonality         | <b>Polyclonal</b>                                  |
| Concentration     | <b>0.5 mg/ml</b>                                   |
| Isotype           | <b>IgG</b>                                         |
| Calculated MW     | <b>21692</b>                                       |

**TNNI1 Antibody (N-Term) - Additional Information****Gene ID** 7135**Other Names**

Troponin I, slow skeletal muscle, Troponin I, slow-twitch isoform, TNNI1

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TNNI1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TNNI1 Antibody (N-Term) - Protein Information****Name** TNNI1**Function**

Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

**Tissue Location**

Highest levels observed in human skeletal muscle (e.g. gastrocnemious muscle), differentiated cultures of primary human muscle cells and rhabdomyosarcoma cells cultured in low serum medium Expressed in C2 muscle cell myoblasts and myotubes

## **TNNI1 Antibody (N-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **TNNI1 Antibody (N-Term) - Images**



AF3969a (0.03  $\mu$ g/ml) staining of Human Skeletal Muscle lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## **TNNI1 Antibody (N-Term) - References**

Identification of a region of troponin I important in signaling cross-bridge-dependent activation of cardiac myofilaments. Engel PL, Kobayashi T, Biesiadecki B, Davis J, Tikunova S, Wu S, Solaro RJ. J Biol Chem. 2007 Jan 5;282(1):183-93. PMID: 17099250