

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

TNNI1 Antibody (N-Term) - Product Information

Application	WB
Primary Accession	P19237
Other Accession	NP_003272.3 , 7135
Reactivity	Human, Mouse
Predicted	Pig, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	21692

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 µg/ml) staining of Human Skeletal Muscle lysate (35 µg 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