



Rabbit anti Troponin T Polyclonal Antibody

Alternative Name(s): troponin T type 1; TNNT1;

Order Information

- **Description:** Troponin T
- **Catalogue:** 601-820
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide corresponding to inter-segment of human Troponin T Cardiac isoform protein.

BACKGROUND

Troponin T(TnT) is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. Mutations in TnT have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes 31 kDa of Troponin T derived from heart tissue lysate by Western blot. It reacts with human canis, felis or rabbit. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 36.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS

MW (kDa)

250-
150-
100-

1

2

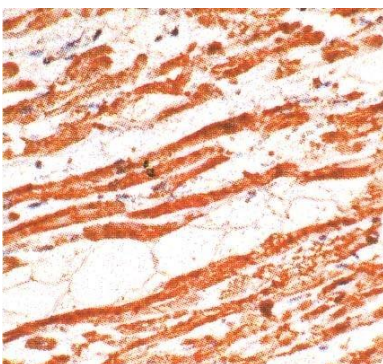
75-

50-

37-



Western Blot: Tissue lysate from heart tissue (20 ug/lane) was resolved onto 12% SDS-PAGE and transferred onto NC Membrane, then probed by Anti-Troponin T antibody (Cat# 601-820) at 1:500 (lane 1). Lane 2 was depleted by immunizing peptide. Observed a major immunoreactive band at molecular weight ~36 kDa.



Immunohistochemistry: Human cardia muscle (FFPE) stained with Rabbit Anti-Troponin T antibody (Cat# 601-820) at 1:50 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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