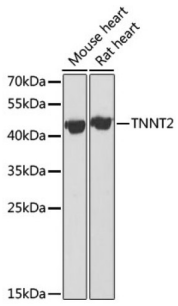
# Troponin T, Cardiac Muscle (TNNT2) Antibody

Catalogue No.:abx001040




Western blot analysis of extracts of various cell lines using TNNT2 Antibody (1/1000 dilution).

Troponin T, Cardiac Muscle (TNNT2) Antibody is a Rabbit Polyclonal antibody against Troponin T, Cardiac Muscle (TNNT2). The protein encoded by this gene 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. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined.

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| **Target:** | Troponin T, Cardiac Muscle (TNNT2) |
| **Research Area:** | Cardiovascular Biology |
| **Clonality:** | Polyclonal |
| **Reactivity:** | Mouse, Rat |
| **Tested Applications:** | WB |
| **Host:** | Rabbit |
| **Recommended dilutions:** | WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | Recombinant fusion protein corresponding to human TNNT2 |
| **Isotype:** | IgG |
| **Form:** | Liquid |
| **Purification:** | Purified by affinity chromatography. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |




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|---|---|
| **UniProt Primary AC:** | P45379 (UniProt, ExPASy) |
| **Gene Symbol:** | TNNT2 |
| **GeneID:** | 7139 |
| **OMIM:** | 115195 |
| **NCBI Accession:** | NP_001001432.1, NM_001001432.2 |
| **HGNC:** | 11949 |
| **Ensembl:** | ENSG00000118194 |
| **String:** | 9606.ENSP00000236918 |
| **Molecular Weight:** | Calculated MW: 30 kDa/31 kDa/34 kDa/35 kDa<br>Observed MW: 45 kDa |
| **Buffer:** | PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol. |
| **Concentration:** | 1 mg/ml |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |




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