

Datasheet for ABIN180977

## anti-Cardiac Troponin T2 antibody



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### 1 Image

#### Overview

|              |                                                    |
|--------------|----------------------------------------------------|
| Quantity:    | 0.2 mg                                             |
| Target:      | Cardiac Troponin T2 (cTnT)                         |
| Reactivity:  | Human                                              |
| Host:        | Mouse                                              |
| Clonality:   | Monoclonal                                         |
| Conjugate:   | This Cardiac Troponin T2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Enzyme Immunoassay (EIA)    |

#### Product Details

|                  |                                                                                                                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:       | HMW conjugateAA Sequence: F-M-P-N-L-V-P-P-K-I-C                                                                                                                                                                                  |
| Clone:           | BGN-1288-44                                                                                                                                                                                                                      |
| Isotype:         | IgG1                                                                                                                                                                                                                             |
| Specificity:     | This antibody recognizes Troponin T Cardiac Isoform 1. Under reducing conditions, this antibody reacts with purified cardiac isoform in Western blotting and does not react with the skeletal isoform under the same conditions. |
| Characteristics: | Synonyms: cTnT, TnTc, TNNT2                                                                                                                                                                                                      |
| Purification:    | Affinity Chromatography on Protein A                                                                                                                                                                                             |

#### Target Details

|         |                            |
|---------|----------------------------|
| Target: | Cardiac Troponin T2 (cTnT) |
|---------|----------------------------|

## Target Details

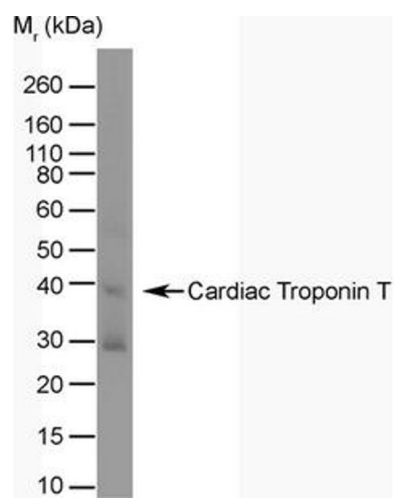
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | Cardiac Troponin T ( <a href="#">cTnT Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Background:       | Cardiac Troponin T, a 36 kDa protein, 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 within the protein have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for the gene undergo alternative splicing that results in many tissue specific isoforms.Synonyms: TNNT2, TnTc, cTnT |
| Gene ID:          | 7139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt:          | <a href="#">P45379</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | ELISA. Western Blot: Reacts with reduced purified cardiac isoform in Western blotting at a titre of greater than 1/250. Does not react with the skeletal isoform under the same conditions.<br>Other applications not tested.<br>Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                |

## Handling

|                    |                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 1.0 mg/mL                                                                                                                                                               |
| Buffer:            | PBS, pH 7.2, 0.09 % Sodium Azide                                                                                                                                        |
| Preservative:      | Sodium azide                                                                                                                                                            |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                  |
| Storage:           | 4 °C/-20 °C                                                                                                                                                             |
| Storage Comment:   | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch. |
| Expiry Date:       | 12 months                                                                                                                                                               |



**Western Blotting**

**Image 1.**