

## Troponin I2 (TNNI2) Monoclonal Antibody

CAB4740

### Description

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This Troponin I2 (TNNI2) Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB4740  
**Contents:** 20 µL, 100 µL  
Bradford Reagent: 1 vial (2ml)  
**Category:** Monoclonal Antibody  
**Synonyms:** DA2B, FSSV, DA2B1, fsTnI, AMCD2B, Troponin I2 (TNNI2)  
**Clone:** ARC1114  
**Applications:** WB ELISA IF-P  
**Conjugation:** Unconjugated  
**Reactivity:** Mouse, Rat

### Antibody Data

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**Gene ID:** 7136  
**Uniprot:** AB\_2863337  
**Host Species:** Rabbit  
**Purification:** Affinity purification  
**Observed MW:** 21 kDa  
**Calculated MW:** 21 kDa

## Preparation & Storage

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**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** Rat skeletal muscle, Mouse skeletal muscle

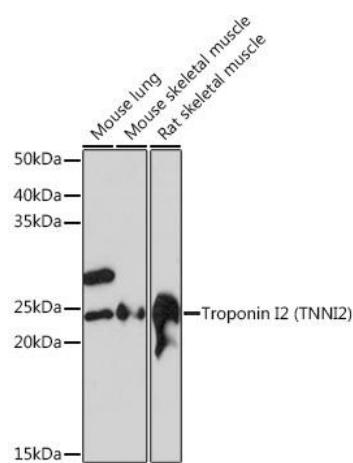
**Recommended Dilutions:**

<b>WB</b>	1:500 - 1:2000
<b>IF-P</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

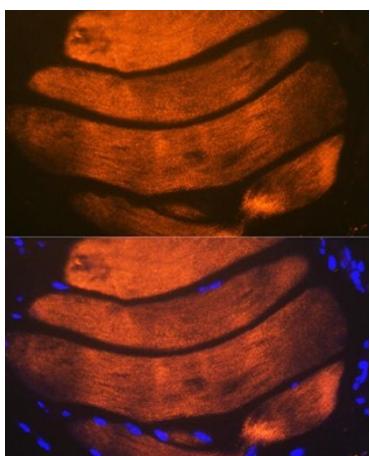
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

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Western blot analysis of various lysates using Troponin (Troponin I2 (TNNI2)) Rabbit mAb (CAB4740) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Immunofluorescence analysis of paraffin-embedded mouse bone marrow using Troponin (Troponin (TNNI2)) Rabbit mAb (CAB4740) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.