Antibody: Enzyme-Linked Immunoabsorbent Assay (ELISA)

**Antibody Details**

- **Product Name**: Anti-Troponin I fast skeletal muscle antibody
- **Description**: Rabbit polyclonal to Troponin I fast skeletal muscle
- **Host Species**: Rabbit
- **Tested Applications**: Suitable for: WB, ELISA, IHC-P
- **Species Reactivity**: Reacts with: Human
  - **Predicted to work with**: Mouse, Rat
- **Immunogen**: Synthetic peptide, corresponding to residues in Human Troponin I fast skeletal muscle.
- **Positive Control**: Human Skeletal Muscle tissue; Human brain lysates

**Properties**

- **Form**: Liquid
- **Storage Instructions**: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
- **Storage Buffer**: pH: 7.40
  - Preservative: 0.02% Sodium azide
  - Constituent: 99% PBS
- **Purity**: Immunogen affinity purified
- **Clonality**: Polyclonal
- **Isotype**: IgG

**Applications**

Our Abpromise guarantee covers the use of ab134838 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Function
Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

Involvement in disease
Defects in TNNI2 are a cause of distal arthrogryposis type 2B (DA2B) [MIM:601680]; also known as arthrogryposis multiplex congenita, distal, type 2B (AMCD2B). DA2B is a form of inherited multiple congenital contractures. Affected individuals have vertical talus, ulnar deviation in the hands, severe camptodactyly, and a distinctive face characterized by a triangular shape, prominent nasolabial folds, small mouth and a prominent chin.

Sequence similarities
Belongs to the troponin I family.

Images

**Western blot - Anti-Troponin I fast skeletal muscle antibody (ab134838)**

Predicted band size: 21 kDa

**Immunohistochemistry analysis of formalin fixed, paraffin embedded Human Skeletal Muscle tissue labelling Troponin I fast skeletal muscle with ab134838 at 5 µg/ml.**

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"
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