

## Product datasheet

# Anti-Troponin I fast skeletal muscle antibody [42/25 14b] ab97427

### 1 References

#### Overview

<b>Product name</b>	Anti-Troponin I fast skeletal muscle antibody [42/25 14b]
<b>Description</b>	Mouse monoclonal [42/25 14b] to Troponin I fast skeletal muscle
<b>Specificity</b>	This particular antibody recognises striated muscle troponin I. Recognizes both fast and slow skeletal Troponin I and cardiac Troponin I.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Chicken, Human
<b>Immunogen</b>	Full length native protein (purified) (Rabbit)
<b>Positive control</b>	Skeletal and Cardiac Muscle (mammalian and avian).

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: PBS
<b>Purity</b>	IgG fraction
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	42/25 14b
<b>Isotype</b>	IgG1

#### Applications

Our [Abpromise guarantee](#) covers the use of **ab97427** in the following tested applications.

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

Application	Abreviews	Notes
WB		Use at an assay dependent dilution. Predicted molecular weight: 21 kDa.

## Target

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<b>Function</b>	Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the troponin I family.

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