abcam

Product datasheet

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

1 References

Overview

Product name	Anti-Troponin I fast skeletal muscle antibody [42/25 14b]
Description	Mouse monoclonal [42/25 14b] to Troponin I fast skeletal muscle
Host species	Mouse
Specificity	This particular antibody recognises striated muscle troponin I. Recognizes both fast and slow skeletal Troponin I and cardiac Troponin I.
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Rat, Chicken, Human
Immunogen	Full length native protein (purified) (Rabbit)
Positive control	Skeletal and Cardiac Muscle (mammalian and avaian).
General notes	Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody ab183508 as a replacement.

Properties

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

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.

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