

Anti-Troponin I fast skeletal muscle antibody [EPR14927(B)] - BSA and Azide free ab250756

Recombinant RabMAb

4 Images

Overview

Product name	Anti-Troponin I fast skeletal muscle antibody [EPR14927(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR14927(B)] to Troponin I fast skeletal muscle - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IP, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250756 is the carrier-free version of ab184554.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14927(B)
Isotype	IgG

Applications

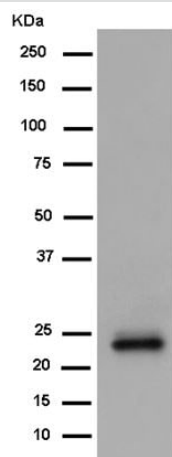
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250756 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 21 kDa (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.

Images



Western blot - Anti-Troponin I fast skeletal muscle antibody [EPR14927(B)] - BSA and Azide free (ab250756)

Anti-Troponin I fast skeletal muscle antibody [EPR14927(B)] ([ab184554](#)) at 1/20000 dilution + Human skeletal muscle lysate at 20 µg

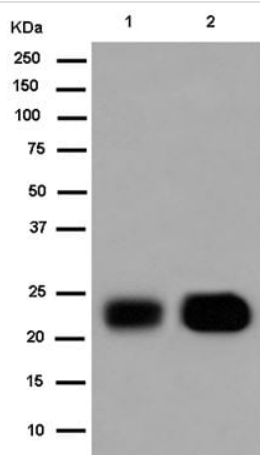
Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 21 kDa

Observed band size: 21 kDa

This data was developed using [ab184554](#), the same antibody clone in a different buffer formulation.



Western blot - Anti-Troponin I fast skeletal muscle antibody [EPR14927(B)] - BSA and Azide free (ab250756)

All lanes : Anti-Troponin I fast skeletal muscle antibody [EPR14927(B)] ([ab184554](#)) at 1/20000 dilution

Lane 1 : Mouse muscle lysate

Lane 2 : Rat muscle lysate

Lysates/proteins at 10 µg per lane.

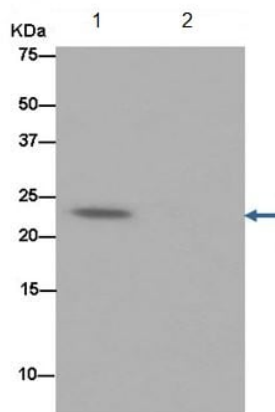
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 21 kDa

Observed band size: 21 kDa

This data was developed using [ab184554](#), the same antibody clone in a different buffer formulation.



This data was developed using **ab184554**, the same antibody clone in a different buffer formulation. Western blot analysis of Troponin I fast skeletal muscle in Human skeletal muscle lysate immunoprecipitated using **ab184554** at 1/50 dilution (Lane 1). Lane 2: PBS instead of Human skeletal muscle lysate. Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

Immunoprecipitation - Anti-Troponin I fast skeletal muscle antibody [EPR14927(B)] - BSA and Azide free (ab250756)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Troponin I fast skeletal muscle antibody
[EPR14927(B)] - BSA and Azide free (ab250756)

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

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