

Product datasheet

Anti-delta Sarcoglycan antibody [EPR8706] - BSA and Azide free ab240108

Recombinant RabMAb

3 Images

Overview

Product name	Anti-delta Sarcoglycan antibody [EPR8706] - BSA and Azide free
Description	Rabbit monoclonal [EPR8706] to delta Sarcoglycan - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IP, IHC-P, WB Unsuitable for: ICC
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human delta Sarcoglycan aa 200-300. The exact sequence is proprietary.
Positive control	IP: Human skeletal muscle lysate.
General notes	Ab240108 is the carrier-free version of ab137101 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

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.

ab240108 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next

breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

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	EPR8706
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab240108** in the following tested applications.

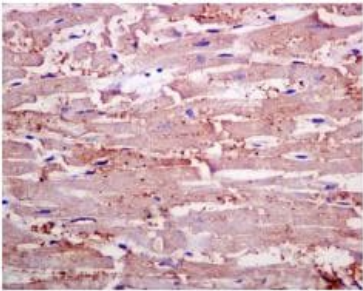
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 35 kDa (predicted molecular weight: 32 kDa).
Application notes		Is unsuitable for ICC.

Target

Function	Component of the sarcoglycan complex, a subcomplex of the dystrophin-glycoprotein complex which forms a link between the F-actin cytoskeleton and the extracellular matrix.
Tissue specificity	Most strongly expressed in skeletal and cardiac muscle. Also detected in smooth muscle. Weak expression in brain and lung.
Involvement in disease	Defects in SGCD are the cause of limb-girdle muscular dystrophy type 2F (LGMD2F) [MIM:601287]. LGMD2F is an autosomal recessive disorder. Defects in SGCD are the cause of cardiomyopathy dilated type 1L (CMD1L) [MIM:606685]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.
Sequence similarities	Belongs to the sarcoglycan beta/delta/gamma/zeta family.
Post-translational modifications	Glycosylated. Disulfide bonds are present.
Cellular localization	Cell membrane > sarcolemma. Cytoplasm > cytoskeleton.

Images

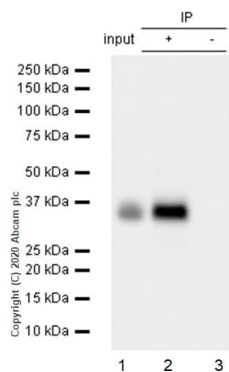


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta Sarcoglycan antibody [EPR8706] - BSA and Azide free (ab240108)

Immunohistochemical analysis of paraffin-embedded Human heart tissue labelling delta Sarcoglycan with [ab137101](#) at 1/100 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab137101](#)).

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunoprecipitation - Anti-delta Sarcoglycan antibody [EPR8706] - BSA and Azide free (ab240108)

This data was developed using [ab137101](#), the same antibody clone in a different buffer formulation.

Purified [ab137101](#) at 1/20 dilution (1µg) immunoprecipitating delta Sarcoglycan in Human skeletal muscle lysate.

Lane 1 (input): Human skeletal muscle lysate 10µg

Lane 2 (+): [ab137101](#) + Human skeletal muscle lysate.

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of [ab137101](#) in Human skeletal muscle lysate.

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 35 kDa

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

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

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