




Product datasheet

Anti-delta Sarcoglycan antibody ab115019

1 Image

Overview

Product name	Anti-delta Sarcoglycan antibody
Description	Goat polyclonal to delta Sarcoglycan
Host species	Goat
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Cow, Dog, Pig 
Immunogen	Synthetic peptide: C-RLPHGSYTPTGTR , corresponding to internal sequence amino acids 245-257 of Human delta Sarcoglycan(NP_000328.2; NP_758447.1; NP_001121681.1).  Run BLAST with  Run BLAST with
Positive control	Human and Rat heart lysates
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	ab115019 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab115019 in the following tested applications.

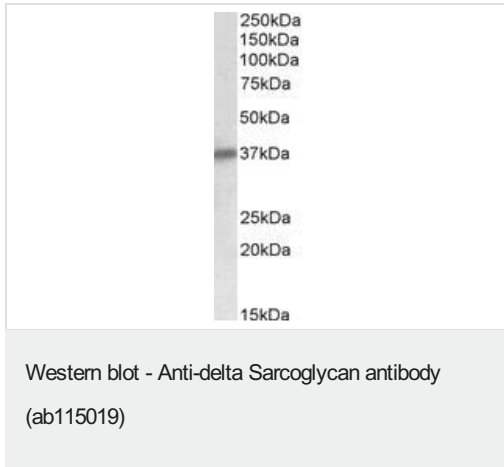
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 3 - 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 32 kDa). 1 hour primary incubation is recommended for this product.

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



Anti-delta Sarcoglycan antibody (ab115019) at 0.1 µg/ml + Human heart lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

Predicted band size: 32 kDa

Observed band size: 37 kDa

Exposure time: 1 hour

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

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