abcam

Product datasheet

Anti-CASZ1 antibody [EPR23824-4] - BSA and Azide free ab283665

Recombinant RabMAb

10 Images

Overview

Product name	Anti-CASZ1 antibody [EPR23824-4] - BSA and Azide free
Description	Rabbit monoclonal [EPR23824-4] to CASZ1 - BSA and Azide free
Host species	Rabbit
Specificity	Rat unsuitable for WB application
Tested applications	**Suitable for:** WB, IHC-P, IHC-Fr **Unsuitable for:** IP
Species reactivity	**Reacts with:** Mouse, Rat **Does not react with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse lung, Mouse E18 heart and Mouse P20 retina IHC-P: Mouse retina, Mouse lung and Rat lung IHC-Fr: Mouse lung, Rat lung
General notes	ab283665 is the carrier-free version of **ab259847**. 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. 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. 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. 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. 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**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR23824-4
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab283665 in the following tested applications.

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

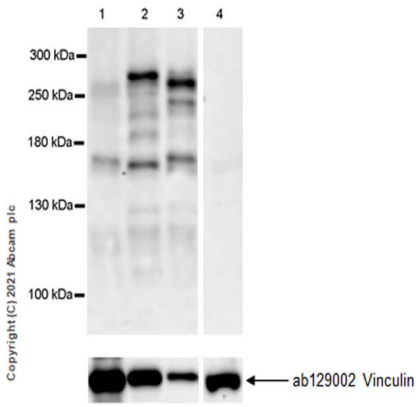
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 190 kDa. Rat unsuitable for WB application
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		Use at an assay dependent concentration.

Application notes Is unsuitable for IP.

Target

Function	Probable transcription factor.
Tissue specificity	Expressed in heart, lung, skeletal muscle, pancreas, testis, small intestine, and stomach, but it is not detectable in the adult brain.
Sequence similarities	Contains 8 C2H2-type zinc fingers.
Cellular localization	Nucleus.

Images



Western blot - Anti-CASZ1 antibody [EPR23824-4] - BSA and Azide free (ab283665)

All lanes : Anti-CASZ1 antibody [EPR23824-4] (**ab259847**) at 1/1000 dilution

Lane 1 : Mouse lung tissue lysate
Lane 2 : Mouse E18 heart tissue lysate
Lane 3 : Mouse P20 retina tissue lysate
Lane 4 : Mouse liver tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 190 kDa
Observed band size: 150,250 kDa

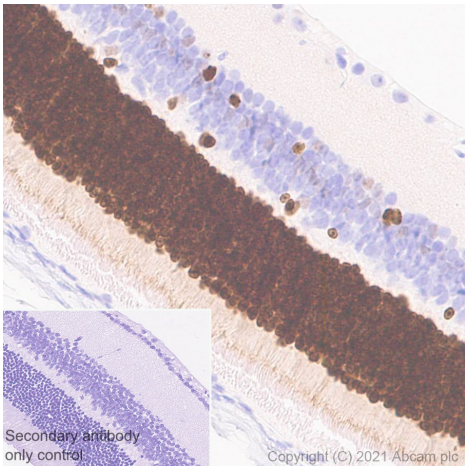
This data was developed using **ab259847**, the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Negative control: Mouse liver (PMID: 16631614)

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 33594190, 32060262)

Exposure time: 81 seconds



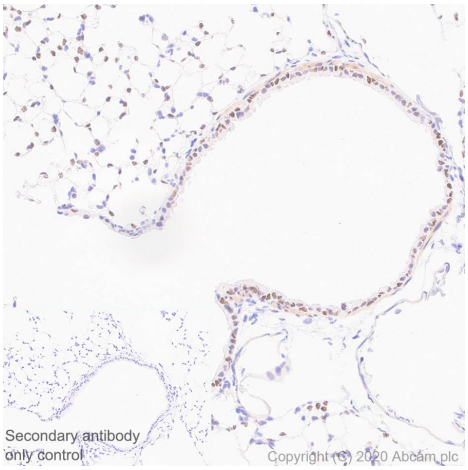
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CASZ1 antibody [EPR23824-4] - BSA and Azide free (ab283665)

This data was developed using **ab259847**, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Mouse retina tissue labelling CASZ1 with **ab259847** at 1/300 (1.947 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on mouse retina. (PMID: 15226823, 25654255) The section was incubated with **ab259847** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CASZ1 antibody [EPR23824-4] - BSA and Azide free (ab283665)

This data was developed using **ab259847**, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Mouse lung tissue labelling CASZ1 with **ab259847** at 1/300 (1.947 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on mouse lung. (PMID: 25333685) The section was incubated with **ab259847** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection.

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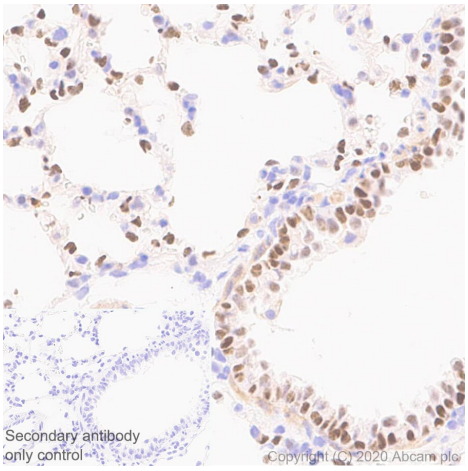

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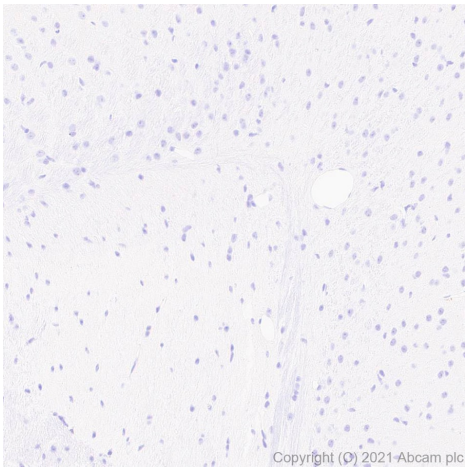

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CASZ1 antibody [EPR23824-4] - BSA and Azide free (ab283665)

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Immunohistochemical analysis of paraffin-embedded Mouse cerebrum tissue labelling CASZ1 with **ab259847** at 1/300 (1.947 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with **ab259847** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Negative control: no staining on mouse cerebrum.

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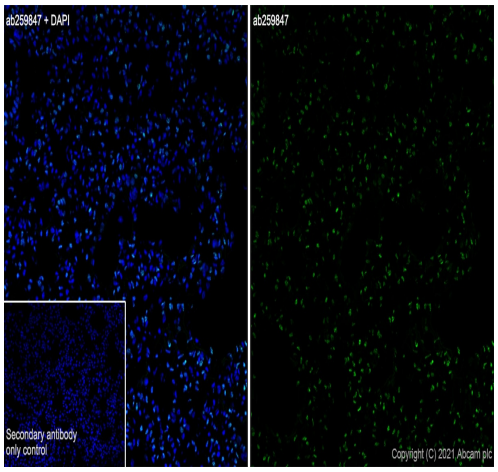
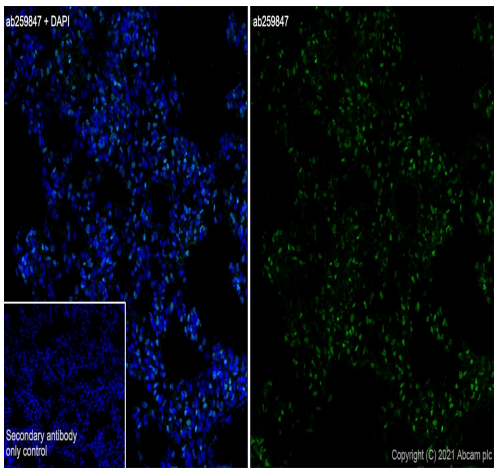


Immunohistochemistry (Frozen sections) - Anti-CASZ1 antibody [EPR23824-4] - BSA and Azide free (ab283665)

This data was developed using **ab259847**, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse lung (fresh) tissue labeling CASZ1 with **ab259847** at 1/100 (5.84 ug/ml) dilution followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/ml) dilution (Green). Nuclear staining on mouse lung is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 (2 ug/ml) dilution.



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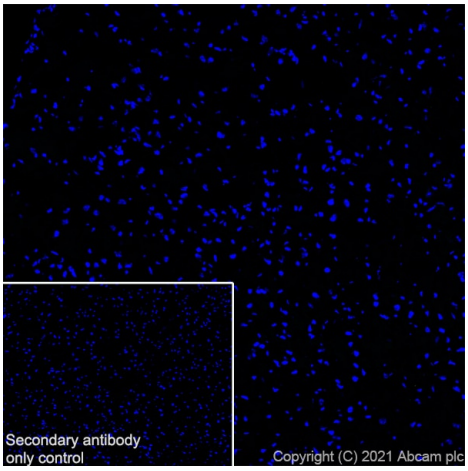

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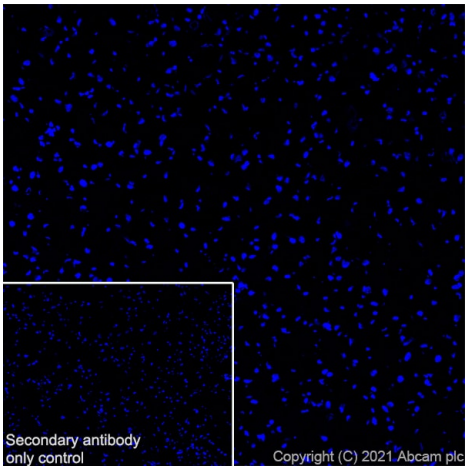

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