

Product datasheet

Anti-Calretinin antibody [SP13] ab16694

Recombinant RabMAb

★★★★☆ **3 Abreviews** **10 References** [5 Images](#)

Overview

Product name	Anti-Calretinin antibody [SP13]
Description	Rabbit monoclonal [SP13] to Calretinin
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IHC-Fr
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein within Mouse Calretinin. The exact sequence is proprietary.
Positive control	IHC-P: Human mesothelioma. IHC-Fr: Mouse and rat cerebrum tissue
General notes	<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>This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 1% BSA, 98.9% PBS</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	SP13
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab16694 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	★☆☆☆☆ (1)	1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IHC-Fr		1/30.

Target

Function

Calretinin is a calcium-binding protein which is abundant in auditory neurons.

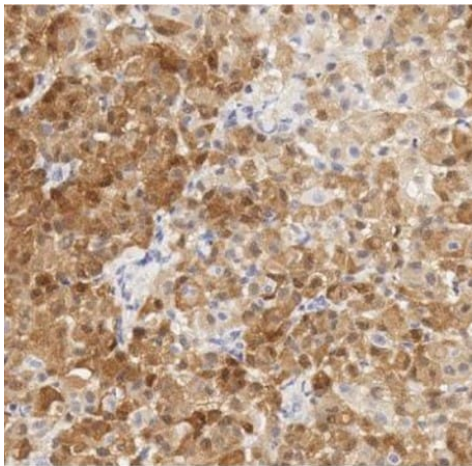
Tissue specificity

Brain.

Sequence similarities

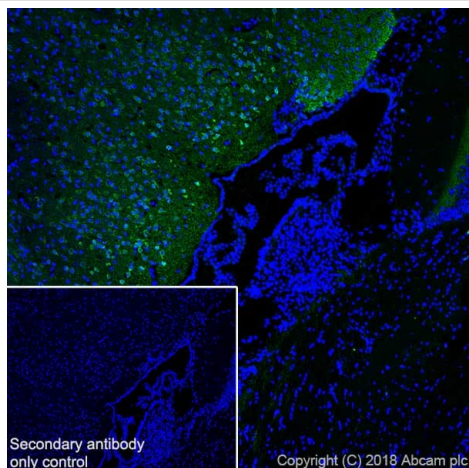
Belongs to the calbindin family.
Contains 6 EF-hand domains.

Images



Immunohistochemical analysis of paraffin-embedded Human mesothelioma labeling Calretinin with ab16694 at 1/100 (27 µg/ml). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab16694 for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. DAB was used as the chromogen. Counterstained with Hematoxylin and mounted with DPX.

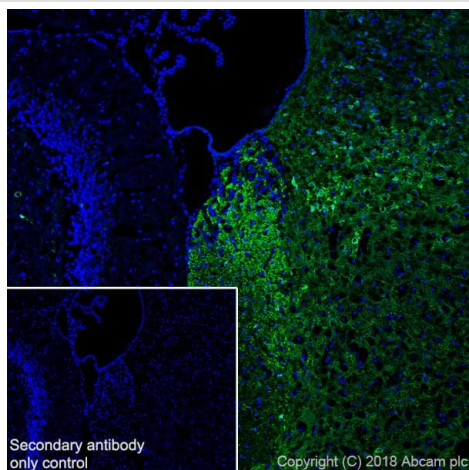
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calretinin antibody [SP13] (ab16694)



Immunohistochemistry (Frozen sections) - Anti-Calretinin antibody [SP13] (ab16694)

This image was generated using a previous batch manufactured using hybridoma production method.

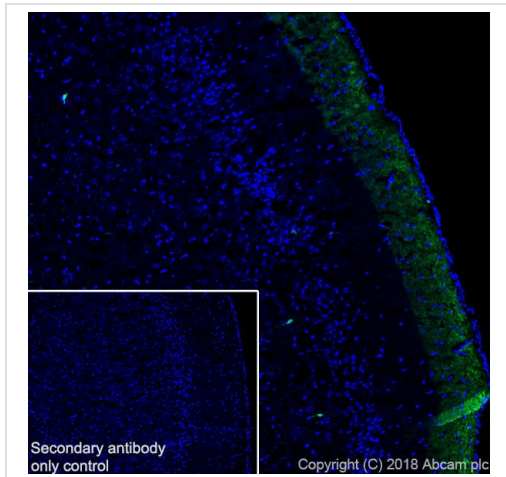
Immunohistochemistry (Frozen) analysis of mouse cerebrum tissue section labeling Calretinin with purified ab16694 at 1/30 (9.6 µg/ml). Sections were fixed in 4% paraformaldehyde and permeabilized with 0.2% Triton X-100. Antigen retrieval was Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Frozen sections) - Anti-Calretinin antibody [SP13] (ab16694)

This image was generated using a previous batch manufactured using hybridoma production method.

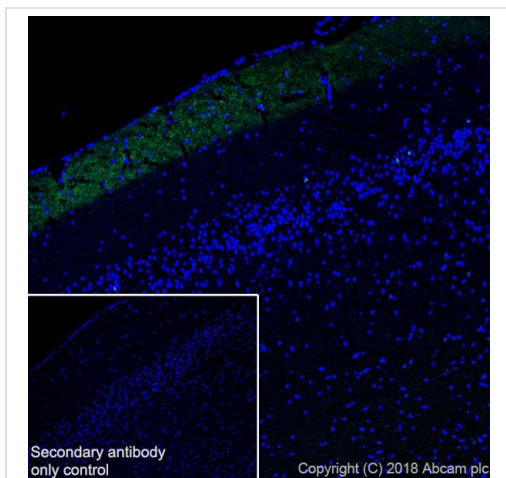
Immunohistochemistry (Frozen) analysis of rat cerebrum tissue section labeling Calretinin with purified ab16694 at 1/30 (9.6 µg/ml). Sections were fixed in 4% paraformaldehyde and permeabilized with 0.2% Triton X-100. Antigen retrieval was Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Frozen sections) - Anti-Calretinin antibody [SP13] (ab16694)

This image was generated using a previous batch manufactured using hybridoma production method.

Immunohistochemistry (Frozen) analysis of rat cerebrum tissue section labeling Calretinin with purified ab16694 at 1/30 (9.6 µg/ml). Sections were fixed in 4% paraformaldehyde and permeabilized with 0.2% Triton X-100. Antigen retrieval was Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Frozen sections) - Anti-Calretinin antibody [SP13] (ab16694)

This image was generated using a previous batch manufactured using hybridoma production method.

Immunohistochemistry (Frozen) analysis of mouse cerebrum tissue section labeling Calretinin with purified ab16694 at 1/30 (9.6 µg/ml). Sections were fixed in 4% paraformaldehyde and permeabilized with 0.2% Triton X-100. Antigen retrieval was Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

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

Our Promise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors