Anti-Calretinin antibody [SP13] ab16694

Product name: Anti-Calretinin antibody [SP13]
Description: Rabbit monoclonal [SP13] to Calretinin
Host species: Rabbit
Specificity: Ab16694 recognises Calretinin.

Tested applications:
- Suitable for: IHC-P, ICC/IF, IHC-Fr

Species reactivity:
- Reacts with: Mouse, Rat, Human

Immunogen:
- Recombinant full length protein within Mouse Calretinin. The exact sequence is proprietary.

Positive control:
- Human mesothelioma for Immunohistochemistry. IHC-Fr: Mouse and rat cerebrum tissue

Form: Liquid
Storage instructions:
- Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer:
- pH: 7.5
- Preservative: 0.1% Sodium azide
- Constituents: Tissue culture supernatant, Tris buffered saline, 1% BSA

Purity:
- Tissue culture supernatant

Clonality: Monoclonal
Clone number: SP13
Isotype: IgG

Overview

Applications

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.

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<td>IHC-P</td>
<td>⭐⭐⭐⭐⭐</td>
<td>1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.</td>
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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

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

Immunocytochemical analysis of 5% PFA & 0.2% Picric Acid fixed rat cortical cell sections, labelling Calretinin with ab16694 at a dilution of 1/10 incubated fro 12 hours at 4°C in a 10mM PBS & 0.35% Triton X diluent. Secondary was a donkey anti-rabbit polyclonal Alexa Fluor® 488 conjugate at 1/200.
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.

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Ab16694 at a dilution of 1/100, staining Calretinin in formalin fixed paraffin embedded human mesothelioma tissue section by Immunohistochemistry.

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