abcam

Product datasheet

Anti-Calretinin antibody [EP1798] - BSA and Azide free ab232462

重组 RabMAb

9 图像

概述

产品名称	Anti-Calretinin抗体[EP1798] - BSA and Azide free
描述	兔单克隆抗体[EP1798] to Calretinin - BSA and Azide free
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), ICC/IF, WB, IHC-P
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Mouse brain, Human brain and Rat brain tissue lysates. Flow Cyt (Intra): SH-SY5Y cells. IHC-P: Mouse cerebrum, Rat cerebrum, Human cerebrum, and Human mesothelioma tissues. ICC/IF: SH-SY5Y cells.
常规说明	ab232462 is the carrier-free version of **ab92341**. 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**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.20 Constituent: 100% PBS
无载体	**是**
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1798
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab232462于以下的经测试应用**

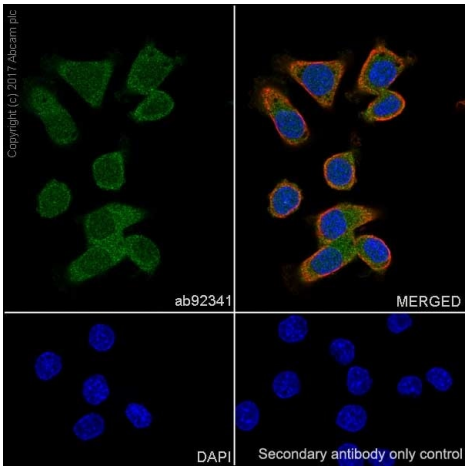
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 29 kDa (predicted molecular weight: 29 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能	Calretinin is a calcium-binding protein which is abundant in auditory neurons.
组织特异性	Brain.
序列相似性	Belongs to the calbindin family. Contains 6 EF-hand domains.

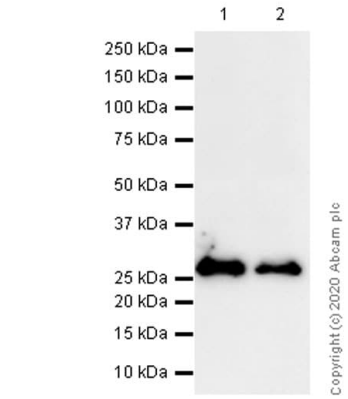
图片



Immunocytochemistry/ Immunofluorescence - Anti-Calretinin antibody [EP1798] - BSA and Azide free (ab232462)

Immunofluorecent analysis of 4% paraformaldehyde-fixed, 0.1% tritonX-100 permeabilsed SH-SY5Y (human neuroblastoma epithelial cell line) cells labelling Calretinin with **ab92341** at 1/500 dilution, followed by AlexaFluor®488 Goat anti-Rabbit (**ab150077**) secondary antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic and nuclear staining on SH-SY5Y cell line is observed. Counterstained with DAPI.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92341**).



Western blot - Anti-Calretinin antibody [EP1798] - BSA and Azide free (ab232462)

All lanes : Anti-Calretinin antibody [EP1798] (**ab92341**) at 1/1000 dilution (Purified)

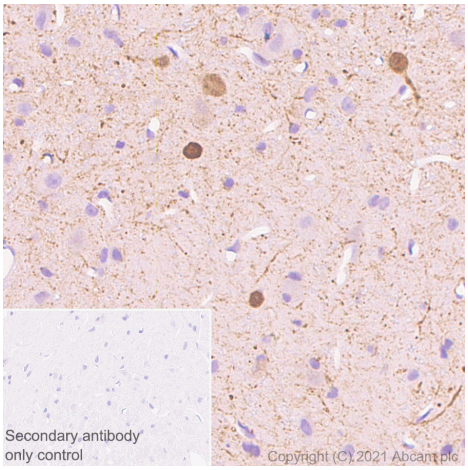
Lane 1 : Mouse brain lysate
Lane 2 : Rat brain lysate

Lysates/proteins at 20 µg per lane.

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

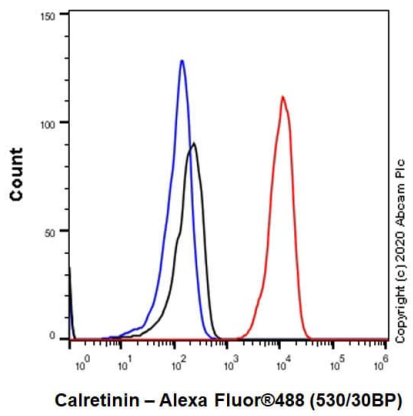
Predicted band size: 29 kDa
Observed band size: 29 kDa

This data was developed using **ab92341**, the same antibody clone in a different buffer formulation.



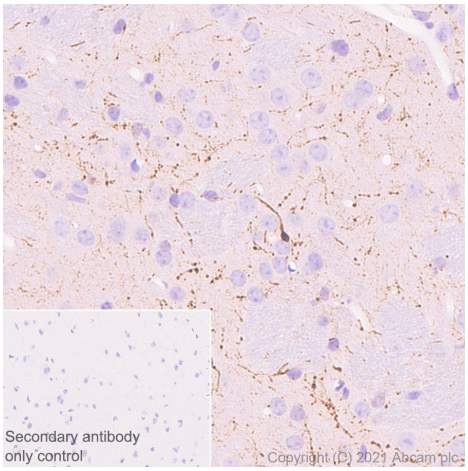
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calretinin antibody [EP1798] - BSA and Azide free (ab232462)

This data was developed using **ab92341**, the same antibody clone in a different buffer formulation.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat cerebrum tissue sections labeling Calretinin with purified **ab92341** at 1:4000 (0.034 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



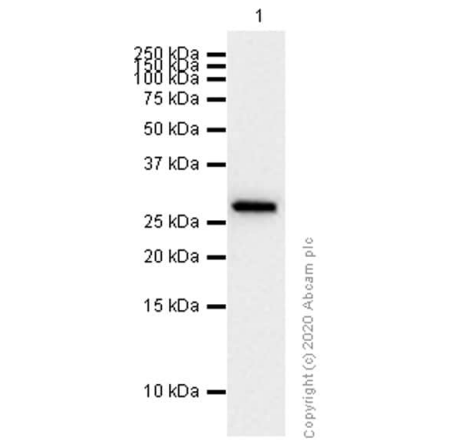
Flow Cytometry (Intracellular) - Anti-Calretinin antibody [EP1798] - BSA and Azide free (ab232462)

This data was developed using **ab92341**, the same antibody clone in a different buffer formulation.
Flow Cytometry analysis of SH-SY5Y (Human neuroblastoma epithelial cell) cells labelling Calretinin with purified **ab92341** at 1/20 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150081**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calretinin antibody [EP1798] - BSA and Azide free (ab232462)

This data was developed using **ab92341**, the same antibody clone in a different buffer formulation.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse cerebrum tissue sections labeling Calretinin with purified **ab92341** at 1:4000 (0.034 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



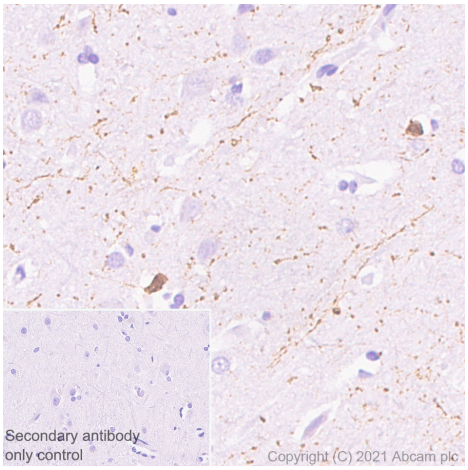
Western blot - Anti-Calretinin antibody [EP1798] - BSA and Azide free (ab232462)

Anti-Calretinin antibody [EP1798] (**ab92341**) at 1/1000 dilution (Purified) + Human brain lysate at 15 µg

Secondary
Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 29 kDa
Observed band size: 29 kDa

This data was developed using **ab92341**, the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calretinin antibody [EP1798] - BSA and Azide free (ab232462)

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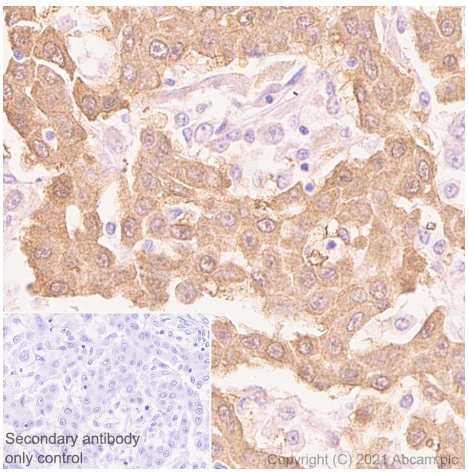
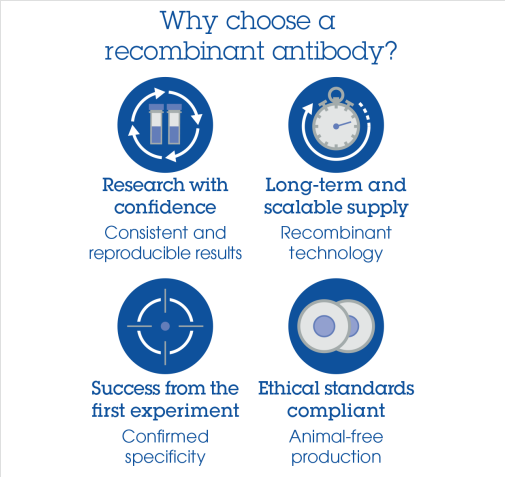
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cerebrum tissue sections labeling Calretinin with purified **ab92341** at 1:4000 (0.034 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calretinin antibody [EP1798] - BSA and Azide free (ab232462)

This data was developed using **ab92341**, the same antibody clone in a different buffer formulation.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human mesothelioma tissue sections labeling Calretinin with purified **ab92341** at 1:4000 (0.034 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Anti-Calretinin antibody [EP1798] - BSA and Azide free (ab232462)

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