

Anti-TRPV4 antibody [EPR23846-44] ab259361

重组 RabMAb

2 References **9 图像**

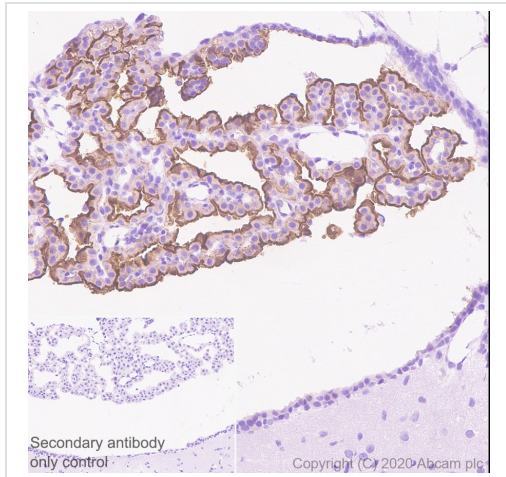
概述

产品名称	Anti-TRPV4抗体[EPR23846-44]
描述	兔单克隆抗体[EPR23846-44] to TRPV4
宿主	Rabbit
经测试应用	适用于: IHC-Fr, IHC-P 不适用于: Flow Cyt, ICC/IF, IP or WB
种属反应性	与反应: Mouse, Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Rat cerebrum and kidney, Mouse cerebrum and kidney tissues. IHC-Fr: Rat cerebrum and kidney, Mouse cerebrum and kidney tissues.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59.94% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR23846-44

同种型	IgG	
应用		
The Abpromise guarantee Abpromise™ 承诺保证使用ab259361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
IHC-Fr		1/100.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
应用说明	Is unsuitable for Flow Cyt,ICC/IF,IP or WB.	
靶标		
功能	Non-selective calcium permeant cation channel probably involved in osmotic sensitivity and mechanosensitivity. Activation by exposure to hypotonicity within the physiological range exhibits an outward rectification. Also activated by low pH, citrate and phorbol esters. Increase of intracellular Ca(2+) potentiates currents. Channel activity seems to be regulated by a calmodulin-dependent mechanism with a negative feedback mechanism. Promotes cell-cell junction formation in skin keratinocytes and plays an important role in the formation and/or maintenance of functional intercellular barriers. Acts as a regulator of intracellular Ca(2+) in synoviocytes. Plays an obligatory role as a molecular component in the nonselective cation channel activation induced by 4-alpha-phorbol 12,13-didecanoate and hypotonic stimulation in synoviocytes and also regulates production of IL-8.	
组织特异性	Found in the synoviocytes from patients with (RA) and without (CTR) rheumatoid arthritis (at protein level).	
疾病相关	Brachyolmia 3 Spondylometaphyseal dysplasia Kozlowski type Metatropic dysplasia Distal spinal muscular atrophy, congenital non-progressive Charcot-Marie-Tooth disease 2C Scapuloperoneal spinal muscular atrophy Spondyloepiphyseal dysplasia Maroteaux type Parastremmatic dwarfism Digital arthropathy-brachydactyly, familial	
序列相似性	Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV4 sub-subfamily. Contains 3 ANK repeats.	
翻译后修饰	Phosphorylation results in enhancement of its channel function.	
细胞定位	Cell membrane and Cell membrane. Cell junction > adherens junction. Assembly of the putative homotetramer occurs primarily in the endoplasmic reticulum.	
图片		

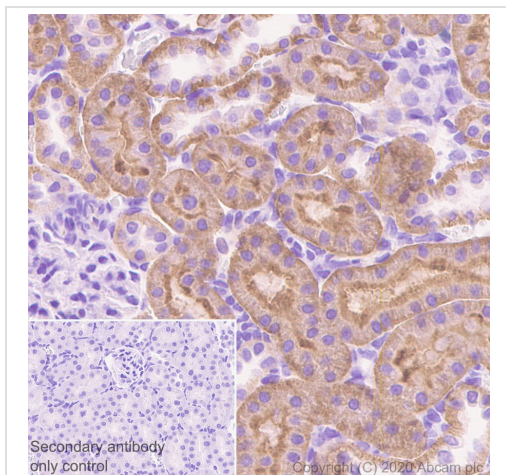


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRPV4 antibody [EPR23846-44] (ab259361)

Immunohistochemical analysis of paraffin-embedded Rat cerebrium tissue labeling TRPV4 with ab259361 at 1/500 (1.008 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in choroid plexus of rat cerebrium (PMID:18499744). The section was incubated with ab259361 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 Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

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

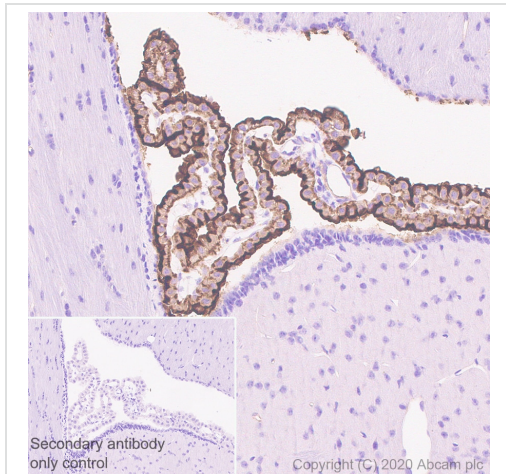


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRPV4 antibody [EPR23846-44] (ab259361)

Immunohistochemical analysis of paraffin-embedded Rat kidney tissue labeling TRPV4 with ab259361 at 1/500 (1.008 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in rat kidney (PMID:18499744). The section was incubated with ab259361 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

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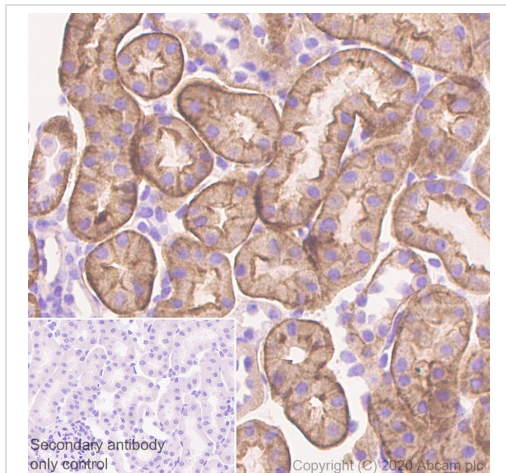


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Immunohistochemical analysis of paraffin-embedded Mouse cerebrum tissue labeling TRPV4 with ab259361 at 1/500 (1.008 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in choroid plexus of mouse cerebrum. The section was incubated with ab259361 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

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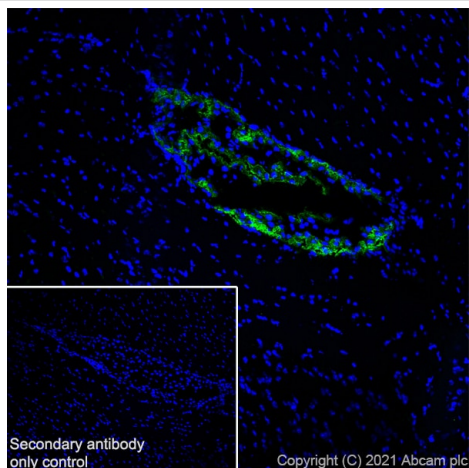


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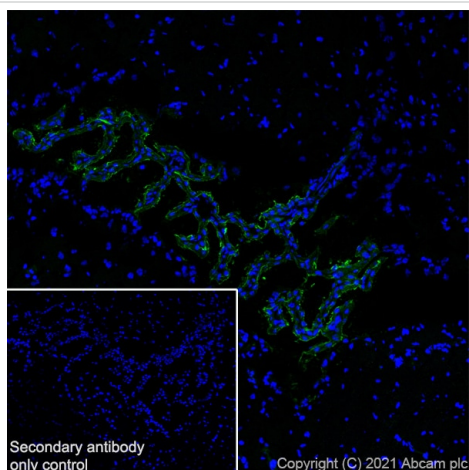
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



Immunohistochemistry (Frozen sections) - Anti-TRPV4 antibody [EPR23846-44] (ab259361)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebrum(fresh) tissue labeling TRPV4 with ab259361 at 1/100 (5.04 ug/ml) dilution followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (Green). Cytoplasmic staining on choroid plexus of mouse cerebrum is observed. The nuclear counterstain was DAPI (Blue).

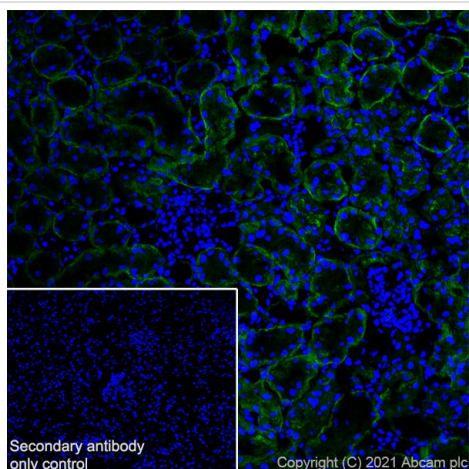
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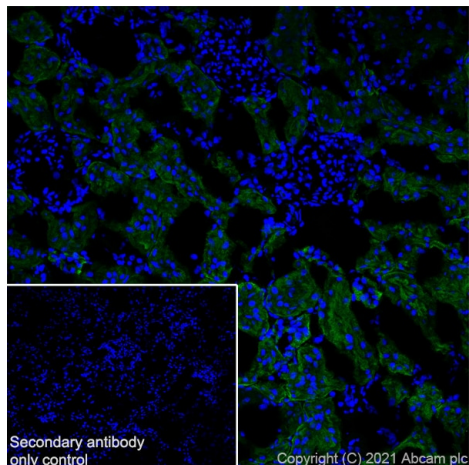
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Recombinant technology



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Confirmed specificity



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Animal-free production

Anti-TRPV4 antibody [EPR23846-44] (ab259361)

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