

Anti-Caspr2/CNTNAP2 antibody [EPR8738] ab137052

重组 RabMAb

★★★★★ **3 Abreviews** **2 References** **8 图像**

概述

产品名称	Anti-Caspr2/CNTNAP2抗体[EPR8738]
描述	兔单克隆抗体[EPR8738] to Caspr2/CNTNAP2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: ICC/IF
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	Fetal brain and Human glioma lysates; Human brain tissue.
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 -20°C.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR8738
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab137052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。

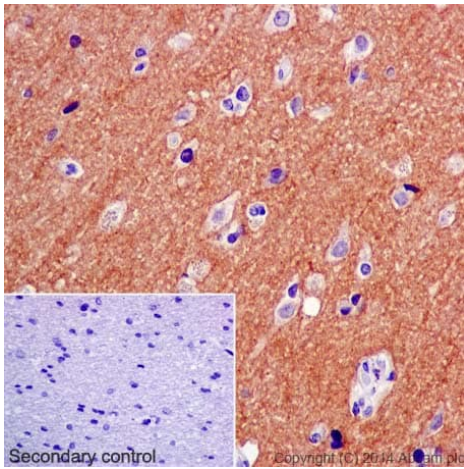
应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 152 kDa (predicted molecular weight: 148 kDa).
IHC-P	★★★★★ (3)	1/1000 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

应用说明 Is unsuitable for ICC/IF.

靶标

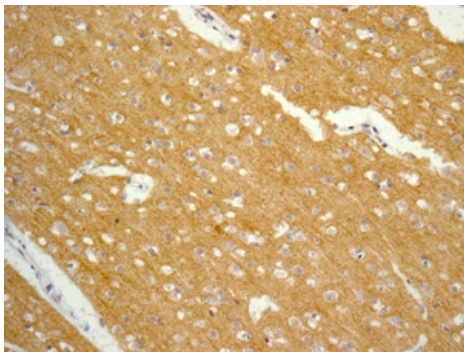
功能	May play a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. Seems to demarcate the juxtaparanodal region of the axo-glial junction.
组织特异性	Predominantly expressed in nervous system.
疾病相关	<p>Defects in CNTNAP2 are the cause of cortical dysplasia-focal epilepsy syndrome (CDFES) [MIM:610042]. Affected individuals manifest cortical dysplasia, focal epilepsy, relative macrocephaly, and diminished deep-tendon reflexes. Intractable focal seizures begin in early childhood, after which language regression, hyperactivity, impulsive and aggressive behavior, and mental retardation develop.</p> <p>Genetic variations in CNTNAP2 influences susceptibility to autism type 15 (AUTS15) [MIM:612100]. Autism is a neurodevelopmental disorder characterized by disturbance in language, perception and socialization. The disorder is classically defined by a triad of limited or absent verbal communication, a lack of reciprocal social interaction or responsiveness, and restricted, stereotypical, and ritualized patterns of interests and behavior.</p> <p>Note=A chromosomal aberration involving CNTNAP2 is found in a patient with autism spectrum disorder. Paracentric inversion 46,XY,inv(7)(q11.22;q35). The inversion breakpoints disrupt the genes AUTS2 and CNTNAP2.</p>
序列相似性	<p>Belongs to the neurexin family.</p> <p>Contains 2 EGF-like domains.</p> <p>Contains 1 F5/8 type C domain.</p> <p>Contains 1 fibrinogen C-terminal domain.</p> <p>Contains 4 laminin G-like domains.</p>
细胞定位	Membrane.

图片



Immunohistochemical staining of paraffin embedded human cerebral cortex with purified ab137052 at a working dilution of 1 in 2000. The secondary antibody used is a HRP goat anti-rabbit IgG ([ab97051](#)) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

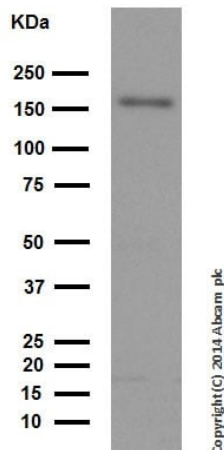
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052)



Immunohistochemical analysis of paraffin-embedded Human brain tissue labelling Caspr2/CNTNAP2 with unpurified ab137052 at dilution 1/250.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052)



Western blot - Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052)

Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052) at 1/1000 dilution (purified) + Human glioma tissue lysate at 20 µg

Secondary

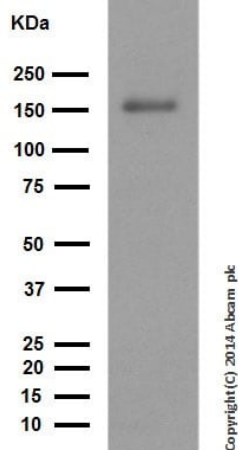
HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 148 kDa

Observed band size: 152 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052)

Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052) at 1/5000 dilution (purified) + Human fetal brain tissue lysate at 20 µg

Secondary

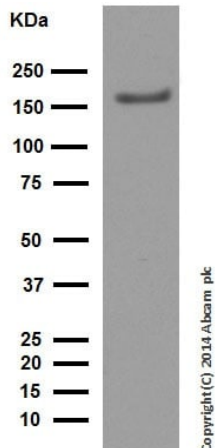
HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 148 kDa

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Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052)

Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052) at 1/5000 dilution (purified) + Rat brain tissue lysate at 20 µg

Secondary

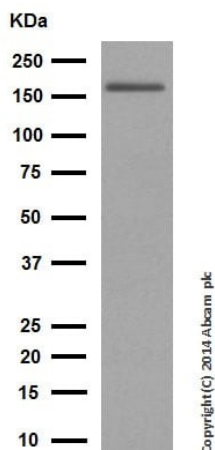
HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 148 kDa

Observed band size: 152 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052)

Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052) at 1/5000 dilution (purified) + Mouse brain tissue lysate at 10 µg

Secondary

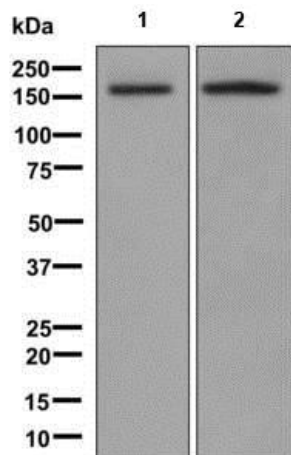
HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 148 kDa

Observed band size: 152 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Caspr2/CNTNAP2 antibody
[EPR8738] (ab137052)

All lanes : Anti-Caspr2/CNTNAP2 antibody [EPR8738]
(ab137052) at 1/1000 dilution (unpurified)

Lane 1 : Fetal brain lysate

Lane 2 : Human glioma lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled Goat anti-Rabbit IgG at 1/2000 dilution

Predicted band size: 148 kDa

Observed band size: 152 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Caspr2/CNTNAP2 antibody [EPR8738]
(ab137052)

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