

Anti-Caspr2/CNTNAP2 antibody [EPR8738] ab137052

リコンビナント **RabMAb**

★★★★☆ **3 Abreviews** **2 References** 画像数 8

製品の概要

製品名	Anti-Caspr2/CNTNAP2 antibody [EPR8738]
製品の詳細	Rabbit monoclonal [EPR8738] to Caspr2/CNTNAP2
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P 適用なし: ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Fetal brain and Human glioma lysates; Human brain tissue.
特記事項	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 .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR8738
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab137052の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

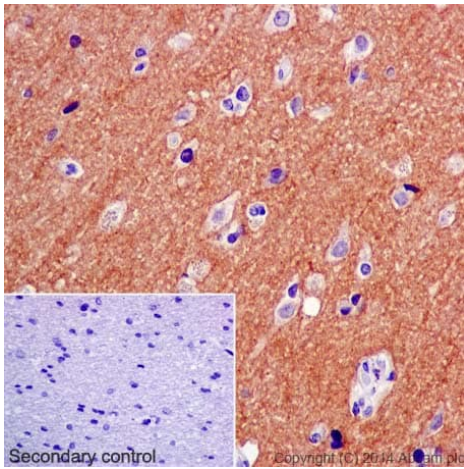
アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 152 kDa (predicted molecular weight: 148 kDa).
IHC-P	★★★★★ (3)	1/1000 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

追加情報 Is unsuitable for ICC/IF.

ターゲット情報

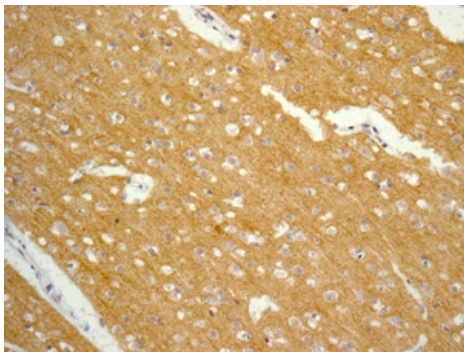
機能	May play a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. Seems to demarcate the juxtaparanodal region of the axo-glial junction.
組織特異性	Predominantly expressed in nervous system.
関連疾患	<p>Defects in CNTNAP2 are the 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>
配列類似性	<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>
細胞内局在	Membrane.

画像



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.

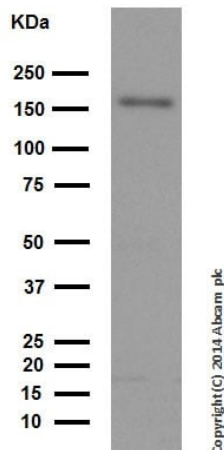
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspr2/CNTNAP2 antibody [EPR8738] (ab137052)



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

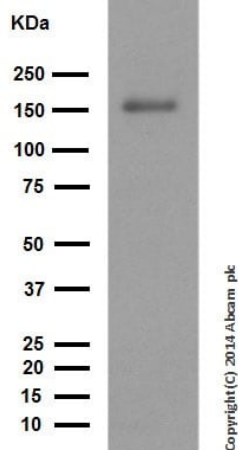
HRP goat anti-rabbit (H+L) at 1/1000 dilution

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

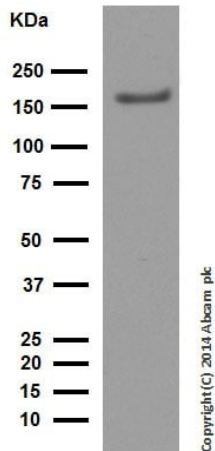
HRP goat anti-rabbit (H+L) at 1/1000 dilution

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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) + Rat brain tissue lysate at 20 μ g

Secondary

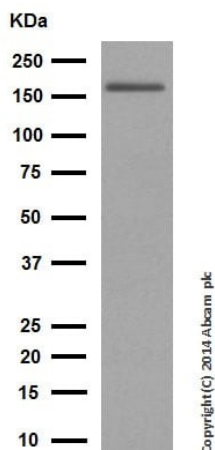
HRP goat anti-rabbit (H+L) at 1/1000 dilution

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 μ g

Secondary

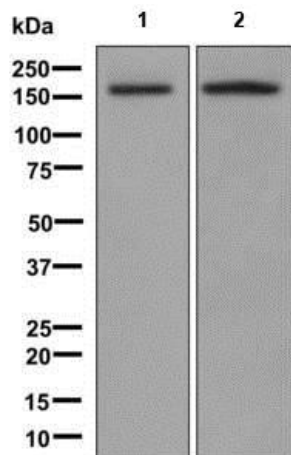
HRP goat anti-rabbit (H+L) at 1/1000 dilution

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)

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

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