

Datasheet for ABIN1048450
anti-CNR1 antibody (Cytoplasmic Domain)

2 Images

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CNR1
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Rat, Mouse, Monkey, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 18 amino acid peptide from 3rd cytoplasmic domain of human CNR1 / CB1. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Monkey, Mouse, Rat, Shrew, Hamster, Elephant, Cat (100%). Type of Immunogen: Synthetic peptide
Specificity:	Human CNR1 / CB1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Monkey, Mouse, Rat, Shrew, Hamster, Elephant, Cat (100%).
Purification:	Immunoaffinity purified

Target Details

Target:	CNR1
Alternative Name:	CNR1 / CB1 (CNR1 Products)
Background:	<p>Name/Gene ID: CNR1</p> <p>Subfamily: Cannabinoid</p> <p>Family: GPCR</p> <p>Synonyms: CNR1, CB-R, CB1 receptor, CB1A, CB1R, Cannabinoid receptor 1, Cannabinoid receptor CB1, Cannabinoid Receptor I, CB1, CB1K5, CANN6, Cannabinoid receptor 1 (brain), CNR, Cannabinoid CB(1) receptor, CB1 cannabinoid receptor, Central cannabinoid receptor</p>
Gene ID:	1268
Pathways:	Feeding Behaviour

Application Details

Application Notes:	Approved: ICC, IHC, IHC-P (5 - 10 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	<p>The IHC-pro Immunohistochemistry Protocol</p> <p>Tissue Preparation</p> <p>Formalin fixation and embedding in paraffin wax</p> <p>Tissue Sectioning</p> <p>Make 4-µm sections and place on pre-cleaned and charged microscope slides.</p> <p>Heat in a tissue-drying oven for 45 minutes at 60°C</p> <p>Deparaffinization</p> <p>Wash slides in 3 changes of xylene – 5 minutes each at room temperature.</p> <p>Rehydration</p> <p>Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.</p> <p>Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.</p> <p>Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.</p> <p>Rinse slides in gentle running distilled water – 5 minutes at room temperature.</p> <p>Antigen retrieval</p>

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	PBS, less than 0.1 % sodium azide.
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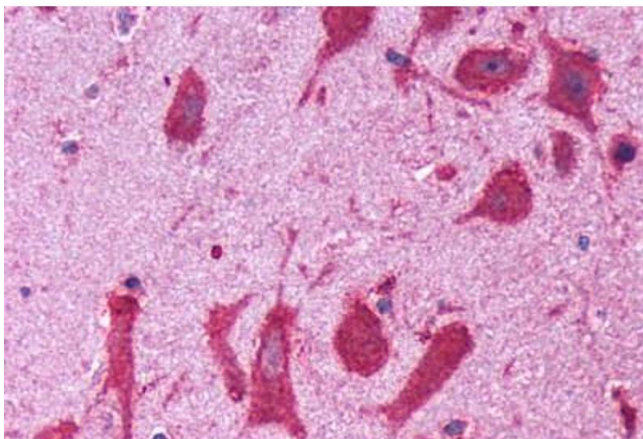
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
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Handling

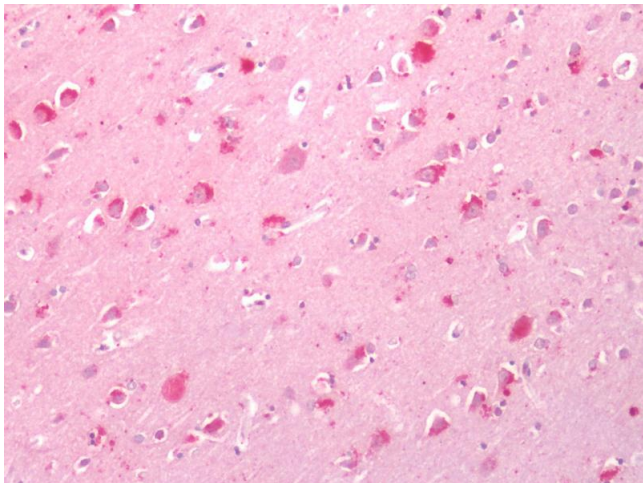
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-CNR1 / CB1 antibody ABIN1048450 IHC staining of human brain, neurons. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)