

Datasheet for ABIN7043084

**anti-CNTNAP2 antibody (C-Term, Intracellular)**[Go to Product page](#)**2** Images

## Overview

Quantity:	50 µL
Target:	CNTNAP2
Binding Specificity:	AA 1315-1331, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNTNAP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)DPNFTETIDESKKEWLI, corresponding to amino acid residues 1315-1331 of human Caspr2
Isotype:	IgG
Characteristics:	Anti-Caspr2 Antibody is directed against an epitope of human Caspr2. Anti-Caspr2 Antibody (ABIN7043084, ABIN7045145 and ABIN7045146)) can be used in western blot and immunohistochemistry analysis. It has been designed to recognize Caspr2 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

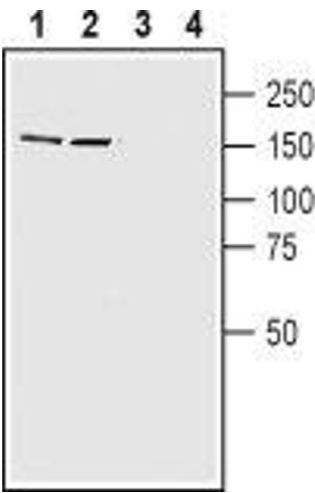
Target:	CNTNAP2
Alternative Name:	Caspr2 ( <a href="#">CNTNAP2 Products</a> )
Background:	Alternative names: Caspr2, Contactin-associated protein-like 2, CNTNAP2
Gene ID:	26047
NCBI Accession:	<a href="#">NM_014141</a>
UniProt:	<a href="#">Q9UHC6</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

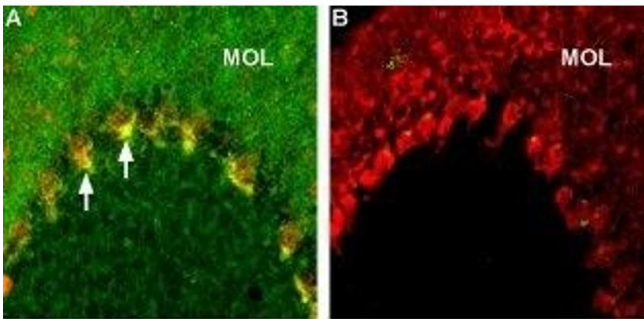
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.4 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

**Image 1.** Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-Caspr2 Antibody (ABIN7043084, ABIN7045145 and ABIN7045146), (1:200).3,4. Anti-Caspr2 Antibody, preincubated with Caspr2 Blocking Peptide (#BLP-PZ005).



Immunohistochemistry

**Image 2.** Expression of Caspr2 in rat cerebellum - Immunohistochemical staining of rat brain frozen sections using Anti-Caspr2 Antibody (ABIN7043084, ABIN7045145 and ABIN7045146), (1:200), (green). A. Caspr2 appears in pinceau structures (arrows) and diffusely in the molecular layer (MOL). Staining of the same section for parvalbumin (red) labels Purkinje cells and demonstrates the position of the pinceau under Purkinje cells. B. Pre-incubation of the antibody with the Caspr2 peptide antigen blocks the staining, demonstrating specificity.