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Datasheet for ABIN7043352 anti-NCAM2 antibody (Extracellular, N-Term)





Overview

Quantity:	50 µL
Target:	NCAM2
Binding Specificity:	AA 635-650, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCAM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)KEDQWLEKKVQGNKDH, corresponding to amino acid residues 635-
	650 of mouse NCAM-2
Isotype:	lgG
Characteristics:	Anti-NCAM2 (extracellular) Antibody (ABIN7043352, ABIN7044688 and ABIN7044689)) is a
	highly specific antibody directed against mouse Neural cell adhesion molecule 2. The antibody
	can be used in western blot and immunohistochemistry applications. It has been designed to
	recognize NCAM2 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

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Target Details

Target:	NCAM2
Alternative Name:	NCAM2 (NCAM2 Products)
Background:	Alternative names: NCAM2, Neural cell adhesion molecule 2, NCAM-2, R4B12, Ocam, Rncam, NCAM21, Neural cell adhesion molecule RB-8
Gene ID:	17968
NCBI Accession:	NM_004540
UniProt:	035136

Application Details

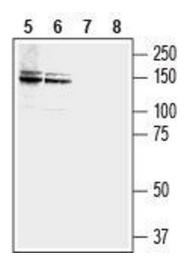
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Lyophilized
25 μL , 50 μL or 0.2 mL double distilled water (DDW), depending on the sample size.
0.8 mg/mL
Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Sodium azide
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
RT,4 °C,-20 °C
Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. 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).

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Western Blotting

Image 1. Western blot analysis of human LNCaP prostate carcinoma (lanes 5 and 7) and MCF-7 breast adenocarcinoma (lanes 6 and 8) cell lysates: - 5,6. Anti-NCAM2 (extracellular) Antibody (extracellular) Antibody (ABIN7043352, ABIN7044688 and ABIN7044689), (1:200).7,8. Anti-NCAM2 (extracellular) Antibody (extracellular) Antibody, preincubated with NCAM2 (extracellular) Blocking Peptide (#BLP-NR042).

Immunohistochemistry

Image 2. Expression of NCAM2 in mouse brain -Immunohistochemical staining of mouse free-floating frozen brain sections using Anti-NCAM2 (extracellular) Antibody (ABIN7043352, ABIN7044688 and ABIN7044689). A. In the hippocampal CA3 region, NCAM2 immunoreactivity (green) appears in the pyramidal layer (P, arrows). B. In the olfactory bulb, NCAM2 staining (green) appears in the Mitral cell layer (MCL, arrows). Nuclei are demonstrated using DAPI as the counterstain (blue).

Western Blotting

Image 3. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-NCAM2 (extracellular) Antibody (extracellular) Antibody (ABIN7043352, ABIN7044688 ABIN7044689), and (1:200).3,4. Anti-NCAM2 (extracellular) Antibody (extracellular) Antibody, preincubated with NCAM2 (extracellular) Blocking Peptide (#BLP-NR042).

