antibodies

# Datasheet for ABIN2483322 anti-BCAN antibody (AA 219-655) (PerCP)





#### Overview

Quantity:	100 µg
Target:	BCAN
Binding Specificity:	AA 219-655
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BCAN antibody is conjugated to PerCP
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product Details

Immunogen:	Fusion protein amino acids 219-655 of rat Brevican
Clone:	S294A-6
Isotype:	lgG2b
Specificity:	Detects ~140 kDa (and smaller due to proteolytic cleavage).
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

### Target Details

Target:	BCAN
Alternative Name:	Brevican (BCAN Products)

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# Target Details

core protein without CS chains. ADAMTSs, a 55 kD N-terminal pe EAMESE.
core protein without CS chains.
ein that bears up to three,
bit neural plasticity. Brevican is
nighly expressed in the central
gating extracellular matrix
an in the extracellular matrix of

Gene ID:	25393
NCBI Accession:	NP_001028837
UniProt:	P55068
Pathways:	Glycosaminoglycan Metabolic Process

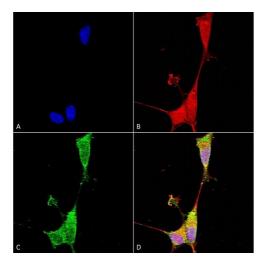
# Application Details

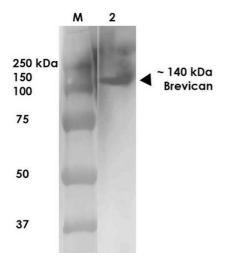
Application Notes:	<ul><li>WB (1:1000)</li><li>optimal dilutions for assays should be determined by the user.</li></ul>
Comment:	1 μg/ml of ABIN2483322 was sufficient for detection of Brevican in 20 μg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

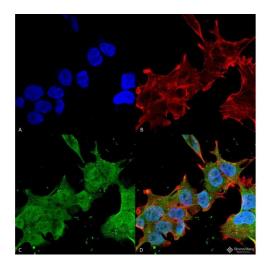
# Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
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:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C

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#### Immunocytochemistry

**Image 1.** Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Brevican Monoclonal Antibody, Clone S294A-6 (ABIN2483322). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-Brevican Monoclonal Antibody (ABIN2483322) at 1:100 for overnight at 4 °C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain, Hoechst (blue) nuclear stain at 1:800, 1.6 mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Brevican Antibody (D) Composite.

#### **Western Blotting**

**Image 2.** Western Blot analysis of Rat Brain Membrane showing detection of ~140 kDa Brevican protein using Mouse Anti-Brevican Monoclonal Antibody, Clone S294A-6 . Lane 1: MW Ladder. Lane 2: Rat Brain Membrane (10 µg). . Load: 10 µg. Block: 5% milk. Primary Antibody: Mouse Anti-Brevican Monoclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Color Development: TMB solution for 10 min at RT. Predicted/Observed Size: ~140 kDa.

#### Immunofluorescence (fixed cells)

**Image 3.** Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Brevican Monoclonal Antibody, Clone S294A-6 . Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Brevican Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT.

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Localization: Cell Membrane, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Brevican Antibody (D) Composite.

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