.-online.com antibodies

Datasheet for ABIN968236 anti-BCAN antibody (AA 232-394)

3 Imag	es
--------	----

3 Publications



Overview

Quantity:	150 µg
Target:	BCAN
Binding Specificity:	AA 232-394
Reactivity:	Rat, Mouse, Dog
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Rat Brevican aa. 232-394			
Clone:	2-Brevican			
Isotype:	lgG1			
Cross-Reactivity:	Mouse (Murine), Dog (Canine)			
Characteristics:	 Since applications vary, each investigator should titrate the reagent to obtain optimal results. Please refer to us for technical protocols. Source of all serum proteins is from USDA inspected abattoirs located in the United States. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 			
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.			

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN968236 | 02/13/2024 | Copyright antibodies-online. All rights reserved.

Target Details

Target:	BCAN			
Alternative Name:	Brevican (BCAN Products)			
Background:	Neural tissue expresses a variety of cell surface heparan sulfate and extracellular chondroitin sulfate containing proteoglycans. Brevican, a chondroitin sulfate proteoglycan, is a member of the lectican family. Other members of this family are aggrecan, versican, and neurocan. These proteins are either heparan sulfate or keratan sulfate containing glycosylphosphatidylinositol (GPI) anchored or membrane spanning proteoglycans, or soluble chondroitin sulfate containing proteoglycans. Brevican exists as either a soluble or GPI-anchored plasma membrane protein. Brevican contains the shortest core protein of any of the family members. In addition, it is characterized by chondroitin sulfate chains, an N-terminal hyaluronic acid-binding domain (HA), an epidermal growth factor-like (EGF) repeat, and lectin-like and complement regulatory protein-like domains in its C-terminal region. Primary cerebellar astrocytes are the major site for mRNA expression and little, if any, is found in neurons. Although there is an 80 kDa N-terminal truncated form, full length brevican can be up to 145 kDa. Brevican is thought to play a role in the terminal differentiation and regulation of the adult nervous system. This antibody is routinely tested by western blot analysis.			
Molecular Weight:	140-145 kDa			
Pathways:	Glycosaminoglycan Metabolic Process			
Comment:	Related Products: ABIN968545, ABIN967389			
Restrictions:	For Research Use only			
Handling				
Format:	Liquid			
Concentration:	250 μg/mL			
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % 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:	-20 °C			

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN968236 | 02/13/2024 | Copyright antibodies-online. All rights reserved. Storage Comment:

Store undiluted at -20° C.

Publications

Product cited in:

Aspberg, Miura, Bourdoulous, Shimonaka, Heinegârd, Schachner, Ruoslahti, Yamaguchi: "The Ctype lectin domains of lecticans, a family of aggregating chondroitin sulfate proteoglycans, bind tenascin-R by protein-protein interactions independent of carbohydrate moiety." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 94,

Issue 19, pp. 10116-21, (1997) (PubMed).

Seidenbecher, Richter, Rauch, Fässler, Garner, Gundelfinger: "Brevican, a chondroitin sulfate proteoglycan of rat brain, occurs as secreted and cell surface glycosylphosphatidylinositolanchored isoforms." in: **The Journal of biological chemistry**, Vol. 270, Issue 45, pp. 27206-12, (1995) (PubMed).

Yamada, Watanabe, Shimonaka, Yamaguchi: "Molecular cloning of brevican, a novel brain proteoglycan of the aggrecan/versican family." in: **The Journal of biological chemistry**, Vol. 269, Issue 13, pp. 10119-26, (1994) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of Brevican on a rat cerebrum lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of the mouse anti- Brevican antibody.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/4 | Product datasheet for ABIN968236 | 02/13/2024 | Copyright antibodies-online. All rights reserved. Images



Image 3.

Generated fro	m rat Brevic	an		
1 HA-binding	tandem repeats	nonhomologous domain	EGF- like lectin-like	883
N	232 Immun		c	