

Datasheet for ABIN968235
anti-BCAN antibody (AA 232-394)



[Go to Product page](#)

1 Image **3** Publications

Overview

Quantity:	50 µg
Target:	BCAN
Binding Specificity:	AA 232-394
Reactivity:	Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BCAN antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Rat Brevican aa. 232-394
Clone:	2-Brevican
Isotype:	IgG1
Cross-Reactivity:	Mouse (Murine), Dog (Canine)
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. 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. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

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

Application Details

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

Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store undiluted at -20° C.

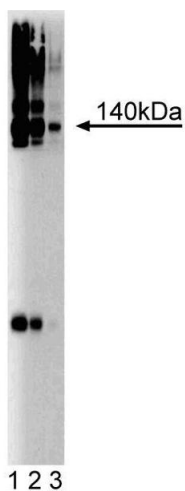
Publications

Product cited in: Aspberg, Miura, Bourdoulous, Shimonaka, Heinegård, Schachner, Ruoslahti, Yamaguchi: "The C-type 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 glycosylphosphatidylinositol-anchored 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.