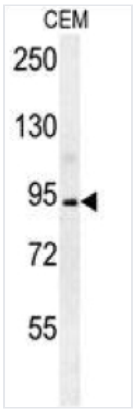
# BCAN Antibody – Rabbit Polyclonal

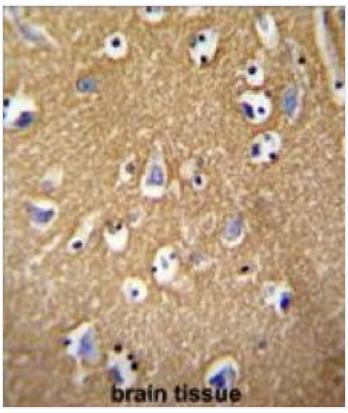
## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | BCAN, Polyclonal Antibody |
| **Full Product Name** | BCAN, CT (BCAN, BEHAB, CSPG7, Brevican core protein, Brain-enriched hyaluronan-binding protein, Chondroitin sulfate proteoglycan 7) (AP) |
| **Product Gene Name** | anti-BCAN antibody |
| **Product Synonym Names** | BCAN; BEHAB; CSPG7; Brevican core protein; Brain-enriched hyaluronan-binding protein; Chondroitin sulfate proteoglycan 7 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP). |
| **Purity/Purification** | Purified by Protein A and Peptide Affinity Chromatography. |
| **Specificity** | Recognizes human BCAN. |
| **Preparation and Storage** | Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 99,118 Da |
| **Chromosome Location** | Chromosome: 1; NC_000001.10 (156611740..156629324). Location: 1q31 |
| **OMIM** | 600347 |
| **3D Structure** | ModBase 3D Structure for Q96GW7 |
| **Immunogen** | KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 715-741 in the C-terminal region of human BCAN, UniProt Accession #NP_940819.1; Q96GW7. Species sequence homology: bovine |
| **Conjugate** | AP |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-BCAN antibody** | Antibodies; Carbohydrates; Glycoproteins |
| **Applications Tested/Suitable for anti-BCAN antibody** | Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB) |
| **Application Notes for anti-BCAN antibody** | IHC: 1:50-100<br>ELISA: 1:1,000<br>WB: 1:100-500<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-BCAN antibody** | Brevican core protein may play a role in the terminally differentiating and the adult nervous system during postnatal development. Could stabilize interactions between hyaluronan (HA) and brain proteoglycans. |
| **Other Notes** | Small volumes of anti-BCAN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

| | |
|---|---|
| **Searchable Terms for BCAN purchase** | MBS6277757 is an antibody targeting BCAN. Also known as BCAN, CT (BCAN, BEHAB, CSPG7, Brevican core protein, Brain-enriched hyaluronan-binding protein, Chondroitin sulfate proteoglycan 7) (AP). Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-BCAN antibody**
Western Blot analysis in CEM cell line lysates (35ug/lane) usingMBS642278. This demonstrates that MBS642278 detected the BCAN protein (arrow).




**Immunohistochemistry (IHC) of anti-BCAN antibody**
Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue using MBS642278 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS642278 for immunohistochemistry.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BCAN. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 38372931 |
| **NCBI GeneID** | 63827 |
| **NCBI Accession #** | NP_940819.1 |
| **NCBI Related Accession #** | NP_068767.3 |
| **UniProt Primary Accession #** | Q96GW7 |
| **UniProt Secondary Accession #** | Q28062 |
| **UniProt Related Accession #** | Q96GW7 |
| **GenBank Nucleotide #** | NM_198427.1 |
| **NCBI Official Full Name** | brevican core protein isoform 2 |
| **NCBI Official Synonym Full Names** | brevican |
| **NCBI Official Symbol** | BCAN |
| **NCBI Official Synonym Symbols** | BEHAB; CSPG7 |
| **UniProt Protein Name** | Brevican core protein |
| **UniProt Synonym Protein Names** | Brain-enriched hyaluronan-binding protein; BEHAB; Chondroitin sulfate proteoglycan 7 |
| **Protein Family** | Brevican core protein |
| **UniProt Gene Name** | BCAN |
| **UniProt Synonym Gene Names** | BEHAB; CSPG7; BEHAB |
| **UniProt Entry Name** | PGCB_HUMAN |
| **NCBI Protein Information** | brevican core protein; chondroitin sulfate proteoglycan 7; chondroitin sulfate proteoglycan BEHAB; brain-enriched hyaluronan-binding protein |

| | |
|---|---|
| **NCBI Summary for BCAN** | This gene encodes a member of the lectican family of chondroitin sulfate proteoglycans that is specifically expressed in the central nervous system. This protein is developmentally regulated and may function in the formation of the brain extracellular matrix. This protein is highly expressed in gliomas and may promote the growth and cell motility of brain tumor cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011] |
| **UniProt Comments for BCAN** | BCAN: May play a role in the terminally differentiating and the adult nervous system during postnatal development. Could stabilize interactions between hyaluronan (HA) and brain proteoglycans. Belongs to the aggrecan/versican proteoglycan family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Secreted, signal peptide; Membrane protein, GPI anchor; Secreted<br><br>Chromosomal Location of Human Ortholog: 1q31<br><br>Cellular Component: proteinaceous extracellular matrix; lysosomal lumen; Golgi lumen; extracellular region<br><br>Molecular Function: extracellular matrix structural constituent; hyaluronic acid binding; carbohydrate binding<br><br>Biological Process: chondroitin sulfate metabolic process; extracellular matrix disassembly; extracellular matrix organization and biogenesis; chondroitin sulfate biosynthetic process; central nervous system development; glycosaminoglycan metabolic process; chondroitin sulfate catabolic process; hippocampus development; carbohydrate metabolic process; pathogenesis; cell adhesion; skeletal development; dermatan sulfate biosynthetic process |
| **Research Articles on BCAN** | **1.** Data indicate that median methylation levels of BCAN, HOXD1, KCTD8, KLF11, NXPH1, POU4F1, SIM1, and TCF7L1 were >/=30% higher than in normal samples, representing potential biomarkers for tumor diagnosis. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/bcan/6277757