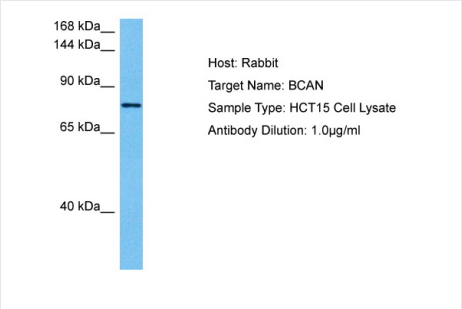
BCAN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BCAN, Polyclonal Antibody
Full Product Name	BCAN Antibody - middle region
Product Gene Name	anti-BCAN antibody
Product Synonym Gene Name	BEHAB; CSPG7
Immunogen Sequence	Synthetic peptide located within the following region: ESLSQAPARA VLQPGASPLP DGESEASRPP RVHGPPTETL PTPRERNLAS
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	BCAN peptide (MBS3247068) is used for blocking the activity of BCAN antibody (MBS3222395)
Molecular Weight	73 kDa
OMIM	600347
3D Structure	ModBase 3D Structure for Q96GW7
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human BCAN
Product Categories/Family for anti-BCAN antibody	Polyclonal; Cancer; Neurobiology; Cell Biology
Applications Tested/Suitable for anti-BCAN antibody	Western Blot (WB)
Related Product Information for anti-BCAN antibody	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.
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	MBS3222395 is an antibody targeting BCAN. Also known as BCAN Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-BCAN antibody
Host: RabbitTarget Name: BCANSample Tissue: Human HCT15 Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

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

NCBI GI #	38372935
NCBI GeneID	63827
NCBI Accession #	NP_068767.3
UniProt Primary Accession #	Q96GW7
UniProt Related Accession #	Q96GW7
GenBank Nucleotide #	NM_021948.4
NCBI Official Full Name	brevican core protein isoform 1
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

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. Protein type: Secreted, signal peptide; Membrane protein, GPI anchor; Secreted Chromosomal Location of Human Ortholog: 1q31 Cellular Component: proteinaceous extracellular matrix; lysosomal lumen; Golgi lumen; extracellular region Molecular Function: extracellular matrix structural constituent; hyaluronic acid binding; carbohydrate binding 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.
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