



Anti-BCAN (aa 83-262) polyclonal antibody (DPABH-01928)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Brevican is the most abundant chondroitin sulfate proteoglycan in the extracellular matrix of the adult brain. It is a member of the lectican family of aggregating extracellular matrix proteoglycans that bear chondroitin sulfate (CS) chains. It is highly expressed in the central nervous system and is thought to stabilize synapses and inhibit neural plasticity. Brevican is secreted from astrocytes and neurons as a 145 kD core protein that bears up to three, covalently-linked, CS chains. It is also secreted as a 145 kD core protein without CS chains. When cleaved by extracellular glutamyl endopeptidases, the ADAMTs, a 55 kD N-terminal fragment is formed that contains the unique C-terminal epitope EAMESE.
Immunogen	Recombinant fragment, corresponding to a region within amino acids 83-262 of Human Brevican (AAH09117).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	50 µl
Buffer	pH: 7.00; Constituents: 78.99% PBS, 20% Glycerol, 1% BSA
Preservative	None

Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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GENE INFORMATION

Gene Name	BCAN brevican [Homo sapiens]
Official Symbol	BCAN
Synonyms	BCAN; brevican; BEHAB; CSPG7; brevican core protein; chondroitin sulfate proteoglycan 7; chondroitin sulfate proteoglycan BEHAB; brain-enriched hyaluronan-binding protein;
Entrez Gene ID	63827
Protein Refseq	NP_068767.3
UniProt ID	Q96GW7
Pathway	A tetrasaccharide linker sequence is required for GAG synthesis; Chondroitin sulfate biosynthesis; Degradation of the extracellular matrix; Disease
Function	carbohydrate binding; hyaluronic acid binding;
