

Product datasheet for **TA326514**

Bcan Mouse Monoclonal Antibody [Clone ID: S294A-6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S294A-6
Recommended Dilution:	WB: 1:1000
Reactivity:	Rat, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 219-655 of rat Brevican
Formulation:	PBS pH7.4, 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	brevican
Database Link:	NP_001028837 Entrez Gene 12032 Mouse Entrez Gene 25393 Rat P55068

Background: 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 ADAMTSs, a 55 kD Nterminal fragment is formed that contains the unique Cterminal epitope EAMESE.

Synonyms: BEHAB; brevican; CSPG7; MGC13038

Note: Detects ~140kDa (and smaller due to proteolytic cleavage)



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