PGCB Monoclonal Antibody

Catalog No	YP-mAb-06855
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	BCAN BEHAB CSPG7 UNQ2525/PRO6018
Protein Name	Brevican core protein (Brain-enriched hyaluronan-binding protein) (BEHAB) (Chondroitin sulfate proteoglycan 7)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PGCB Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	100kD
Cell Pathway	[Isoform 1]: Secreted, extracellular space, extracellular matrix.; [Isoform 2]: Membrane; Lipid-anchor, GPI-anchor.
Tissue Specificity	Expressed in the retina, specifically in the inner nuclear layer, inner plexiform layer and ganglion cell layer (at protein level).
Function	developmental stage:Isoform 1 is highly expressed from birth through 8 years of age and is down-regulated by 20 years of age to low levels that are maintained in the normal adult cortex. Isoform 2 is expressed at uniformly low levels throughout development.,function: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.,online information:Brevican,PTM:Contains mostly chondroitin sulfate.,PTM:Isoform 2 is predicted to have its GPI-anchor on 'Asn-649'.,similarity:Belongs to the aggrecan/versican proteoglycan family.,similarity:Contains 1 C-type lectin domain.,similarity:Contains 1 EGF-like domain.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 1 Sushi (CCP/SCR) domain.,similarity:Contains 2 Link domains.,subunit:Interact
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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