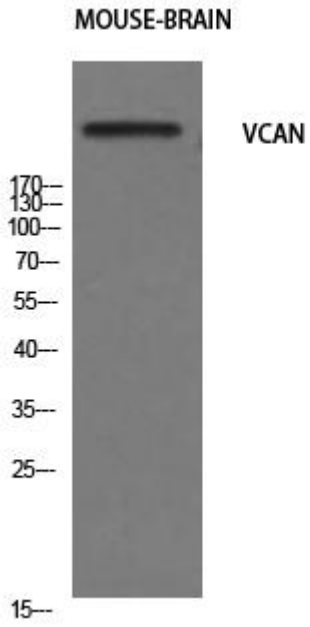
Versican Monoclonal Antibody

Catalog No	BYmab-12840
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	VCAN
Protein Name	Versican core protein
Immunogen	The antiserum was produced against synthesized peptide derived from human VCAN. AA range:532-581
Specificity	Versican Monoclonal Antibody detects endogenous levels of Versican protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	VCAN; CSPG2; Versican core protein; Chondroitin sulfate proteoglycan core protein 2; Chondroitin sulfate proteoglycan 2; Glial hyaluronate-binding protein; GHAP; Large fibroblast proteoglycan; PG-M
Observed Band	373kD
Cell Pathway	Secreted, extracellular space, extracellular matrix . Cell projection, cilium, photoreceptor outer segment . Secreted, extracellular space, extracellular matrix, interphotoreceptor matrix .
Tissue Specificity	Expressed in the retina (at protein level) (PubMed:29777959). Cerebral white matter and plasma (PubMed:2469524). Isoform V0: Expressed in normal brain, gliomas, medulloblastomas, schwannomas, neurofibromas, and meningiomas (PubMed:8627343). Isoform V1: Expressed in normal brain, gliomas, medulloblastomas, schwannomas, neurofibromas, and meningiomas (PubMed:8627343). Isoform V2: Restricted to normal brain and gliomas (PubMed:8627343). Isoform V3: Found in all these tissues except medulloblastomas (PubMed:8627343).
Function	alternative products:Additional isoforms seem to exist,developmental

	stage:Disappears after the cartilage development.,disease:Defects in VCAN are the cause of Wagner syndrome type 1 (WGN1) [MIM:143200]. WGN is a dominantly inherited vitreoretinopathy characterized by an optically empty vitreous cavity with fibrillary condensations and a preretinal avascular membrane. Other optical features include progressive chorioretinal atrophy, perivascular sheating, subcapsular cataract and myopia. Systemic manifestations are absent in WGN.,function:May play a role in intercellular signaling and in connecting cells with the extracellular matrix. May take part in the regulation of cell motility, growth and differentiation. Binds hyaluronic acid.,online information:Versican,similarity:Belongs to the aggrecan/versican proteoglycan family.,similarity:Contains 1 C-type lectin domain.,similarity:Contains
Background	This gene is a member of the aggrecan/versican proteoglycan family. The protein encoded is a large chondroitin sulfate proteoglycan and is a major component of the extracellular matrix. This protein is involved in cell adhesion, proliferation, proliferation, migration and angiogenesis and plays a central role in tissue morphogenesis and maintenance. Mutations in this gene are the cause of Wagner syndrome type 1. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009],
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.

Products Images



Western Blot analysis of various cells using Versican Monoclonal Antibody