Product Name: Versican Rabbit Polyclonal Antibody
Catalog #: APRab19780

Summary

Production Name	Versican Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	VCAN
Alternative Names	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
Gene ID	1462.0
SwissProt ID	P13611.The antiserum was produced against synthesized peptide derived from human VCAN. AA range:532-581

Application

Dilution Ratio	WB 1:500-2000 ELISA: 1:10000.
Molecular Weight	

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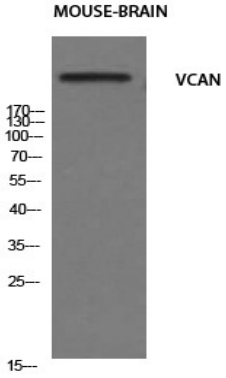
Background

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],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 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 1 Sushi (CCP/SCR) domain.,similarity:Contains 2 EGF-like domains.,similarity:Contains 2 Link domains.,subunit:Interacts with FBLN1.,tissue specificity:Cerebral white matter. Isoform V0 and isoform V1 are expressed in normal brain, gliomas, medulloblastomas, schwannomas, neurofibromas, and meningiomas; isoform V2 is restricted to normal brain and gliomas; isoform V3 is found in all these tissues except medulloblastomas.,

Research Area

Cell adhesion molecules (CAMs);

Image Data



Western Blot analysis of mouse-brain cells using Versican Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Note

For research use only.

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