



## Rabbit Anti-Versican antibody

SL2533R

<b>Product Name:</b>	Versican
<b>Chinese Name:</b>	蛋白聚糖Versican抗体
<b>Alias:</b>	Versican; CSPG2; DKFZp686K06110; ERVR; GHAP; PG-M; WGN; WGN1; versican core protein isoform 1 precursor; ; Large fibroblast proteoglycan; Chondroitin sulfate proteoglycan 2; Chondroitin sulfate proteoglycan core protein 2; CSPG2; Glial hyaluronate binding protein; Glial hyaluronate-binding protein; Large fibroblast proteoglycan; PGM; V1 Neo; VCAN; Versican core protein; Versican proteoglycan; Versican V0; CSPG2 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	370kDa
<b>Cellular localization:</b>	Extracellular matrixSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Versican:3301-3396/3396
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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].

**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.

**Subunit:**

Interacts with FBLN1 (By similarity).

**Subcellular Location:**

Secreted, extracellular space, extracellular matrix.

**Tissue Specificity:**

Cerebral white matter and plasma. 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.

**Post-translational modifications:**

Phosphorylation sites are present in the extracellular medium.

**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 sheathing, subcapsular cataract and myopia. Systemic manifestations are absent in WGN.

**Similarity:**

Belongs to the aggrecan/versican proteoglycan family.  
Contains 1 C-type lectin domain.  
Contains 2 EGF-like domains.  
Contains 1 Ig-like V-type (immunoglobulin-like) domain.  
Contains 2 Link domains.  
Contains 1 Sushi (CCP/SCR) domain.

**SWISS:**

P13611

**Gene ID:**

1462

**Database links:**

[Entrez Gene: 1462](#)Human

[Entrez Gene: 13003](#)Mouse

[Entrez Gene: 114122](#)Rat

[Omin: 118661](#)Human

[SwissProt: P13611](#)Human

[SwissProt: Q62059](#)Mouse

[SwissProt: Q9ERB4](#)Rat

[Unigene: 643801](#)Human

[Unigene: 715773](#)Human

[Unigene: 158700](#)Mouse

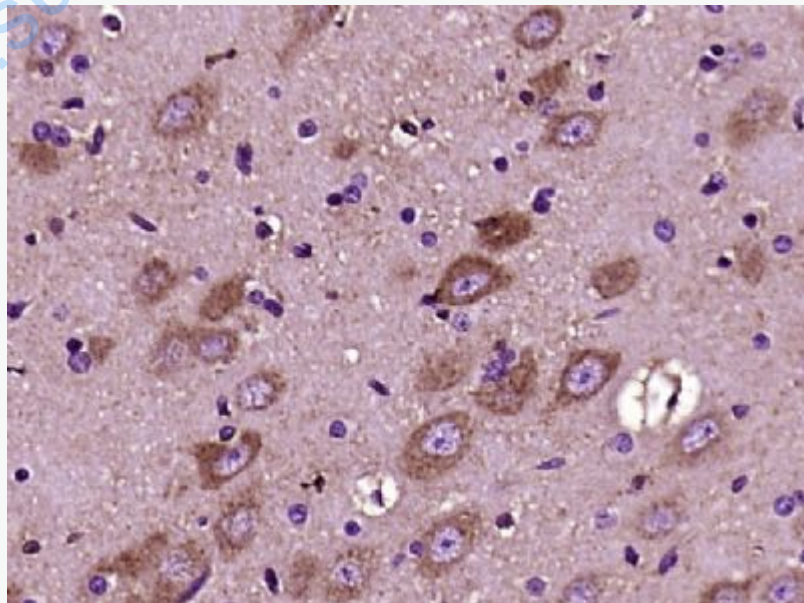
[Unigene: 410783](#)Mouse

[Unigene: 35666](#)Rat

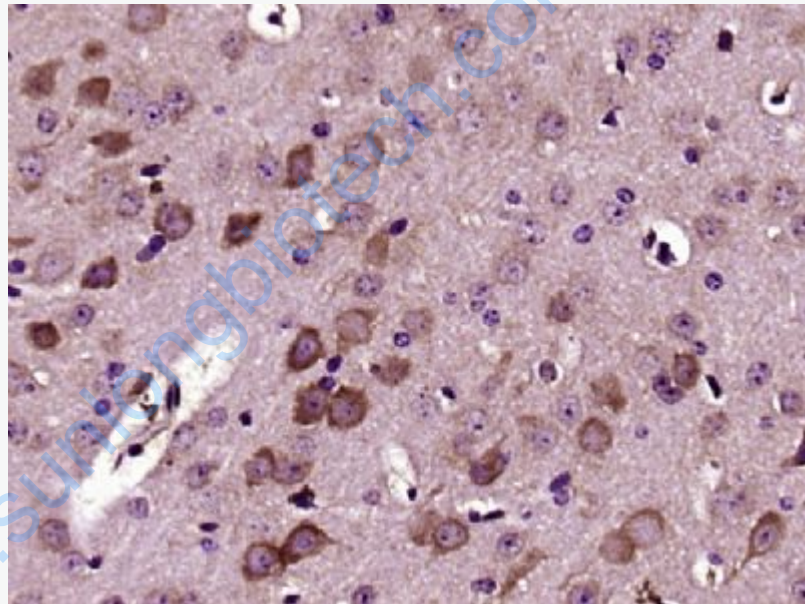
**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Versican) Polyclonal Antibody, Unconjugated (SL2533R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Versican) Polyclonal Antibody, Unconjugated (SL2533R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.