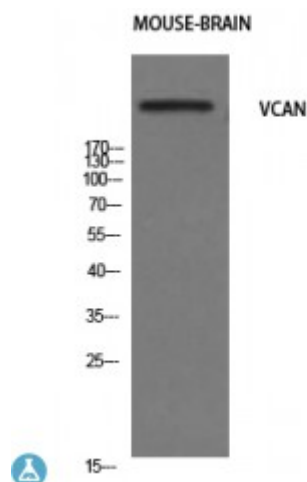


Anti-Versican antibody



Description

Versican is a protein encoded by the VCAN gene which is approximately 372,8 kDa. Versican is secreted into the extracellular space. It is involved in the integrin pathway, ERK signalling, glycosaminoglycan metabolism and phospholipase-C pathway. This protein falls under the aggrecan/versican proteoglycan family. It is a large chondroitin sulfate proteoglycan and is a major component of the extracellular matrix. This protein is involved in cell adhesion, proliferation, migration and angiogenesis and plays a central role in tissue morphogenesis and maintenance. Versican is expressed in the cerebral white matter and plasma. Mutations in the VCAN gene may result in wagner vitreoretinopathy. STJ96239 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of versican protein.

Model	STJ96239
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human Versican
Immunogen Region	510-590 aa, N-terminal
Gene ID	1462
Gene Symbol	VCAN
Dilution range	IHC 1:100-1:300ELISA 1:10000
Specificity	Versican Polyclonal Antibody detects endogenous levels of Versican protein.

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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Versican core protein Chondroitin sulfate proteoglycan core protein 2 Chondroitin sulfate proteoglycan 2 Glial hyaluronate-binding protein GHAP Large fibroblast proteoglycan PG-M
Molecular Weight	372.82 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:2464OMIM:118661
Alternative Names	Versican core protein Chondroitin sulfate proteoglycan core protein 2 Chondroitin sulfate proteoglycan 2 Glial hyaluronate-binding protein GHAP Large fibroblast proteoglycan PG-M
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.
Cellular Localization	Secreted, extracellular space, extracellular matrix.
Post-translational Modifications	Phosphorylated by FAM20C in the extracellular medium.