

KD-Validated Anti-Versican Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1743**Specification**

KD-Validated Anti-Versican Rabbit Monoclonal Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	P13611
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 373 kDa , observed , 373 kDa kDa
Gene Name	VCAN
Aliases	VCAN; Versican; PG-M; CSPG2; Chondroitin Sulfate Proteoglycan Core Protein; Chondroitin Sulfate Proteoglycan 2; Glial Hyaluronate-Binding Protein; Large Fibroblast Proteoglycan; Versican Proteoglycan; Versican Core Protein; GHAP; ERVR; WGN1; WGN
Immunogen	A synthesized peptide derived from human Versican

KD-Validated Anti-Versican Rabbit Monoclonal Antibody - Additional Information

Gene ID	1462
Other Names	Versican core protein, Chondroitin sulfate proteoglycan core protein 2, Chondroitin sulfate proteoglycan 2, Glial hyaluronate-binding protein, GHAP, Large fibroblast proteoglycan, PG-M, VCAN, CSPG2

KD-Validated Anti-Versican Rabbit Monoclonal Antibody - Protein Information**Name** VCAN**Synonyms** CSPG2**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 Location

Secreted, extracellular space, extracellular matrix. Cell projection, cilium, photoreceptor outer segment. Secreted, extracellular space, extracellular matrix, interphotoreceptor matrix. Secreted

Tissue Location

Detected in placenta (at protein level) (PubMed:32337544). Detected in cerebrospinal fluid,

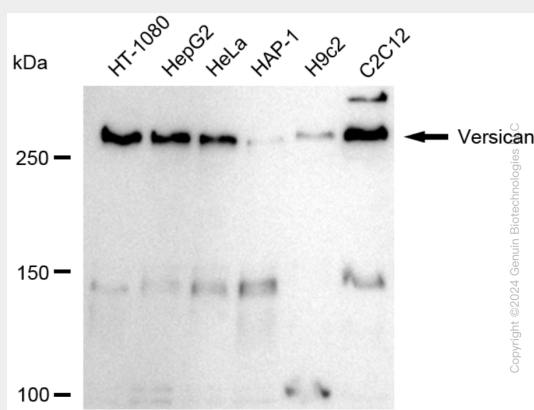
fibroblasts and urine (at protein level) (PubMed:25326458, PubMed:36213313). Expressed in the retina (at protein level) (PubMed:29777959). Cerebral white matter and plasma (PubMed:2469524). Isoform V0: Expressed in normal brain, gliomas, medulloblastomas, schwannomas, neurofibromas, and meningiomas (PubMed:8627343). 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).

KD-Validated Anti-Versican Rabbit Monoclonal Antibody - Protocols

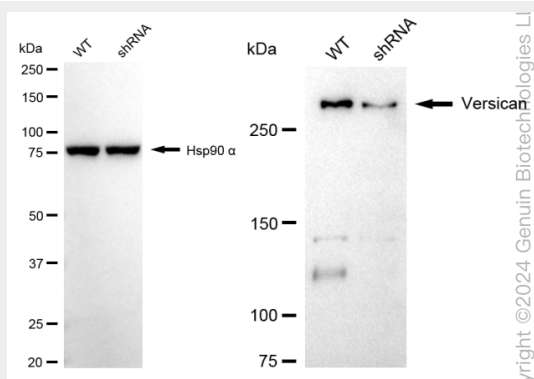
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-Versican Rabbit Monoclonal Antibody - Images

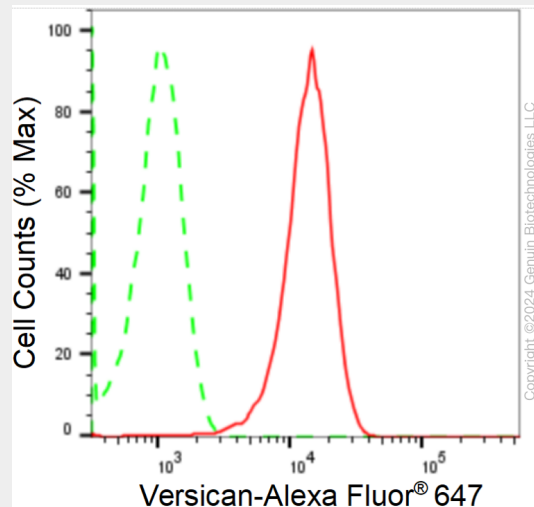


Western blotting analysis using anti-Versican antibody (Cat#AGI1743). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Versican antibody (Cat#AGI1743, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

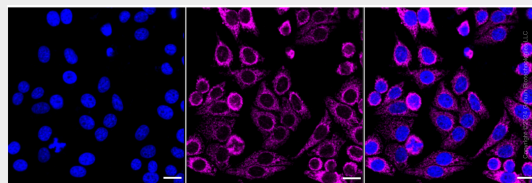


Western blotting analysis using anti-versican antibody (Cat#AGI1743). Versican expression in

wild-type (WT) and versican (VCAN) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-versican antibody (Cat#AGI1743, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Versican expression in HepG2 cells using anti-Versican antibody (Cat#AGI1743, 1:2,000). Green, isotype control; red, Versican.



Immunocytochemical staining of HepG2 cells with anti-Versican antibody (Cat#AGI1743, 1:1,000). Nuclei were stained blue with DAPI; Versican was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.