
Product Name: KD-Validated Versican Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00858**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 372.8kDa

Antigen Information

Gene Name	VCAN VCAN; Versican; PG-M; CSPG2; Chondroitin Sulfate Proteoglycan Core Protein; Chondroitin
Alternative Names	Sulfate Proteoglycan 2; Glial Hyaluronate-Binding Protein; Large Fibroblast Proteoglycan; Versican Proteoglycan; Versican Core Protein; GHAP; ERVR; WGN1; WGN
Gene ID	1462.0
SwissProt ID	P13611
Immunogen	A synthesized peptide derived from human Versican

Background

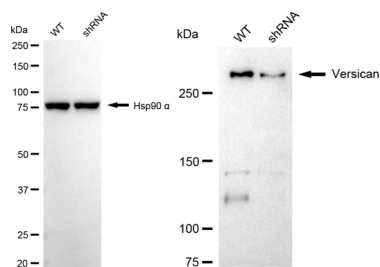
This gene is a member of the aggrecan/versican proteoglycan family. The protein encoded is a large chondroitin sulfate proteoglycan and is a major component of the extracellular matrix. This protein is involved in cell adhesion, proliferation,

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]

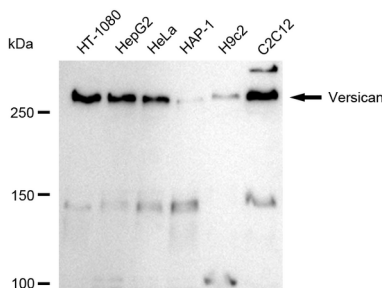
Research Area

Signal Transduction, Signal Transduction

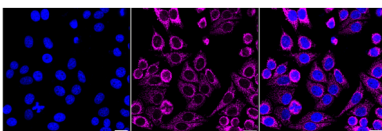
Image Data



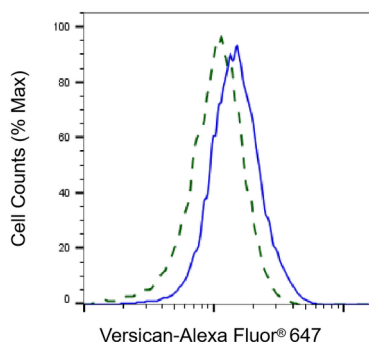
Western blotting analysis using versican antibody (KVA00858). Versican expression in wild-type (WT) and versican (VCAN) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with versican antibody (KVA00858, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



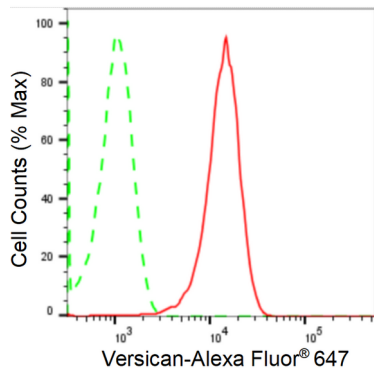
Western blotting analysis using Versican antibody (KVA00858). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Versican antibody (KVA00858, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Versican antibody (KVA00858, 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.



Validation of Versican knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HT-1080 cells were stained with Versican antibody (KVA00858, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Versican expression in HepG2 cells using Versican antibody (KVA00858, 1:2,000). Green, isotype control; red, Versican.