

Versican Polyclonal Antibody | anti-VCAN antibody

Anti-Versican Antibody

CATALOG # AAA46532	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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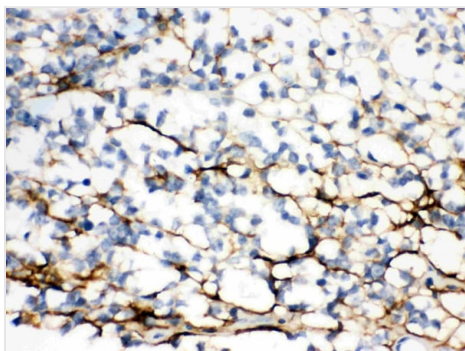
PRODUCT SYNONYMS

Versican; Polyclonal Antibody; Anti-Versican Antibody; Versican core protein; Chondroitin sulfate proteoglycan 2; Chondroitin sulfate proteoglycan core protein 2; CSPG2; CSPG2_HUMAN; ERVR; GHAP; Glial hyaluronate binding protein; Glial hyaluronate-binding protein; Large fibroblast proteoglycan; PG-M; PGM; VCAN; Versican proteoglycan; WGN 1; WGN; WGN1 antibody; versican; anti-VCAN antibody

PRODUCT SPECIFICATIONS

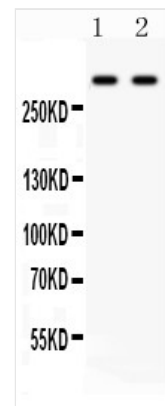
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	655
Applicable Applications for anti-VCAN antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Versican (65-92aa KWSKIEVDKNGKDLKETTTLVAQNGNIK), different from the related mouse and rat sequences by two amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Versican Picoband antibody, AAA46532, IHC(P)IHC(P): Human Glioma Tissue



WB (Western Blot)

Anti- Versican Picoband antibody, AAA46532, Western blottingAll lanes: Anti Versican (AAA46532) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: HEPA Whole Cell Lysate at 40ugPredicted bind size: 373KDObserved bind size: 373KD

ADDITIONAL INFORMATION

Related Product Information for anti-VCAN antibody	Description: Rabbit IgG polyclonal antibody for Versican core protein(VCAN) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Versican (VCAN), also known as CSPG2, is a large extracellular matrix proteoglycan that is present in a variety of human tissues. Versican is a large chondroitin sulfate proteoglycan with an apparent molecular mass of more than 1000kDa. The Versican gene is mapped on 5q14.2-q14.3. The human versican gene contains 15 exons spanning more than 90 kb. The distribution of versican by using affinity-purified polyclonal antibodies that recognize the core protein of the prominent versican splice variants V0 and V1. Versican staining was noted in the central and peripheral nervous system, in the basal layer of the epidermis, and on the luminal surface of some glandular epithelia. Biochemical purification of LLC-conditioned medium led to identification of the extracellular matrix proteoglycan versican, which is upregulated in many human tumors including lung cancer, as a macrophage activator that acts through TLR2 and its coreceptors TLR6 and CD14. By activating TLR2:TLR6 complexes and inducing TNF-alpha secretion by myeloid cells, versican strongly enhances LLC metastatic growth.
References	1. Bode-Lesniewska, B., Dours-Zimmermann, M. T., Odermatt, B. F., Briner, J., Heitz, P. U., Zimmermann, D. R. Distribution of the large aggregating proteoglycan versican in adult human tissues. J. Histochem. Cytochem. 44: 303-312, 1996. 2. Dours-Zimmermann, M. T., Zimmermann, D. R. A novel glycosaminoglycan attachment domain identified in two alternative splice variants of human versican. J. Biol. Chem. 269: 32992-32998, 1994. 3. Naso, M. F., Morgan, J. L., Buchberg, A. M., Siracusa, L. D., Iozzo, R. V. Expression pattern and mapping of the murine versican gene (Cspg2) to chromosome 13. Genomics 29: 297-300, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187607300
NCBI GeneID	1462
NCBI Accession #	NP_001119808.1
NCBI GenBank Nucleotide #	NM_001126336.2
UniProt Accession #	P13611; P20754; Q13010; Q13189; Q15123; Q9UCL9; Q9UNW5
Molecular Weight	369,688 Da
NCBI Official Full Name	versican core protein isoform 2
NCBI Official Synonym Full Names	versican
NCBI Official Symbol	VCAN
NCBI Official Synonym Symbols	WGN; ERVR; GHAP; PG-M; WGN1; CSPG2
NCBI Protein Information	versican core protein
UniProt Protein Name	Versican core protein
UniProt Gene Name	VCAN
UniProt Synonym Gene Names	CSPG2; Chondroitin sulfate proteoglycan 2; GHAP
UniProt Entry Name	CSPG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.