




Product datasheet

Anti-Versican antibody ab19345

★★★★★ [4 Abreviews](#) [66 References](#) [1 Image](#)

Overview

Product name	Anti-Versican antibody
Description	Rabbit polyclonal to Versican
Host species	Rabbit
Specificity	This antibody can be used to detect versican V1 (ADAMTS-1/4 site). This product is against the neoepitope of versican generated by cleavage of the versican core protein by ATAMTS 1/4.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Rat 
Immunogen	Synthetic peptide: CGG- DPEAAE, corresponding to amino acids 436-441 of Human Versican (Peptide available as ab39784 .)  Run BLAST with  Run BLAST with
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab19345 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	Use a concentration of 1 µg/ml. Detects a band of approximately 70 kDa. Can be blocked with Human Versican peptide (ab39784) .

Target

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.

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.

Involvement in 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.

Sequence similarities

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.

Developmental stage

Disappears after the cartilage development.

Post-translational modifications

Phosphorylation sites are present in the extracellular medium.

Cellular localization

Secreted > extracellular space > extracellular matrix.

Images



Anti-Versican antibody (ab19345) at 1 µg/ml + Lysates prepared from human aorta.

ab19345 has been successfully used in Western blot procedures. By Western blot, this antibody detects an ~70 kDa protein representing Versican from mouse cumulus oocyte complexes.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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