abcam

Product datasheet

Human Versican peptide ab39784

Description

Product name	Human Versican peptide
Purity	> 90 % SDS-PAGE. This peptide is greater than 70% pure.
Animal free	No
Nature	Synthetic
Amino Acid Sequence 1	
Species	Human
Sequence	CGG-DPEAAE
Amino acids	436 to 441
Amino Acid Sequence 2	
Species	Human
Sequence	CGG-DPEAAE
Amino acids	436 to 441

Specifications

Our **Abpromise guarantee** covers the use of **ab39784** in the following tested applications.

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

Applications	Blocking - Blocking peptide for Anti-Versican antibody (**ab19345**) Neutralising
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Double distilled water or equivalent after reconstitution.
Reconstitution	Reconstitute with 0.1 ml of distilled water.

General Info

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 sheating, 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 extracelllular medium.
Cellular localization	Secreted > extracellular space > extracellular matrix.

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