

# HSPG2 Rabbit pAb

Catalog No.: A20206 **1 Publications**

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

469kDa

### Category

Primary antibody

### Applications

ELISA,WB

### Cross-Reactivity

Human

## Background

This gene encodes the perlecan protein, which consists of a core protein to which three long chains of glycosaminoglycans (heparan sulfate or chondroitin sulfate) are attached. The perlecan protein is a large multidomain proteoglycan that binds to and cross-links many extracellular matrix components and cell-surface molecules. It has been shown that this protein interacts with laminin, prolargin, collagen type IV, FGFBP1, FBLN2, FGF7 and transthyretin, etc., and it plays essential roles in multiple biological activities. Perlecan is a key component of the vascular extracellular matrix, where it helps to maintain the endothelial barrier function. It is a potent inhibitor of smooth muscle cell proliferation and is thus thought to help maintain vascular homeostasis. It can also promote growth factor (e.g., FGF2) activity and thus stimulate endothelial growth and re-generation. It is a major component of basement membranes, where it is involved in the stabilization of other molecules as well as being involved with glomerular permeability to macromolecules and cell adhesion. Mutations in this gene cause Schwartz-Jampel syndrome type 1, Silverman-Handmaker type of dyssegmental dysplasia, and tardive dyskinesia. Alternative splicing of this gene results in multiple transcript variants.

## Recommended Dilutions

WB 1:1000 - 1:2000

## Immunogen Information

### Gene ID

3339

### Swiss Prot

P98160

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-195 of human HSPG2 (NP\_005520.4).

### Synonyms

PLC; SJA; SJS; HSPG; SJS1; PRCAN; HSPG2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.