

Recombinant

DGRmAb®

Heparan Sulfate Proteoglycan 2/Perlecan (DGR21001) Rabbit mAb

db12740

Package : 10µL 20µL 50µL 100µL

Product Name : Heparan Sulfate Proteoglycan 2/Perlecan (DGR21001) Rabbit mAb**Cat.No.:** db12740**Synonyms** : PLC; SJA; SJS; HSPG; SJS1; PRCAN**Application** : WB**Reactivity** : Human**Host species** : Rabbit**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. [provided by RefSeq, May 2014]

Immunogen

Recombinant protein of human Heparan Sulfate Proteoglycan 2/Perlecan

Gene ID

3339

Swiss Prot

P98160

Synonyms

PLC; SJA; SJS; HSPG; SJS1; PRCAN

Reactivity

Human

Application

WB

Recommended dilution

WB: 1:1000

Calculated MW

469 kDa

Observed MW

469 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR21001
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.