

## Anti-Heparan Sulfate Proteoglycan 2/HSPG2 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9277-Fluoro488

### About HSPG2

Perlecan (PLC) also known as HSPG2, is a protein that in humans is encoded by the HSPG2 gene. It is mapped to 1p36.12. Perlecan is highly conserved across species and the available data indicate that it has evolved from ancient ancestors by gene duplication and exonshuffling. Perlecan is a key component of the vascular extracellular matrix, here it interacts with a variety of other matrix components and 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. Perlecan can also promote growth factor (e.g., FGF2) activity and thus stimulate endothelial growth and re-generation.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Heparan Sulfate Proteoglycan 2/HSPG2 Antibody Picoband® Fluoro488 Conjugated                            |
| Reactive Species     | Human  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | P98160   |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | E.coli-derived human HSPG2 recombinant protein (Position: F524-K701). Human HSPG2 shares 86% amino acid (aa) sequence identity with mouse HSPG2. |
| Cross Reactivity | No cross-reactivity with other proteins  |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | Fluoro488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm  |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: , Parallel Murine and Human Plaque Proteomics Reveals Pathways of Plaque Rupture

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