OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for DM3099P

Heparan Sulfate Proteoglycan 2 (HSPG2) Rat Monoclonal Antibody [Clone ID: A7L6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	A7L6
Applications:	IF, IHC, IP, WB
Recommended Dilution:	**Immunoprecipitation.** **Immunoblotting:** 1/100-1/1000. **Immunocytochemistry.** **Immunohistochemistry on Frozen and Paraffin-Embedded Tissues:** 1/25-1/200 with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent.
Reactivity:	Bovine, Human, Mouse, Rat, Cod, Wolffish
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	High molecular mass material derived from the Engelbreth-Holm-Swarm (EHS) tumor matrix containing laminin, entactin and HSPG.
Specificity:	*A7L6* recognizes domain IV of the core protein of the large Heparan Sulphate Proteoglycan or Perlecan. The reactivity is independent of the galactosaminoglycan moieties. Therefore, the epitope is not sensitive to Heparitinase treatment.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	heparan sulfate proteoglycan 2

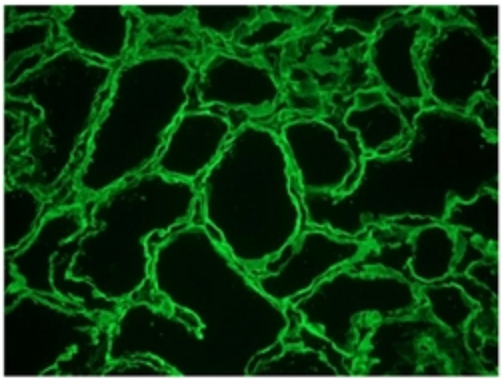
View online »

Database Link: Entrez Gene 3339 Human
P98160

Background: Proteoglycans are macromolecules consisting of a variety of core proteins with covalently attached one or several polysaccharide chains of the glycosaminoglycan type (heparan sulphate, heparin, chondroitin sulphate, dermatan sulphate or keratan sulphate). At least two forms of basement membrane heparan sulphate proteoglycan (HSPG) have been identified. One with a large core protein (> 400 kD) and one with a small core protein (30 kD). The large HSPG is probably the most abundant basement membrane proteoglycan. It is located predominantly in the lamina lucida, where it forms clustered aggregates and interacts with other basement membrane components to form the matrix. In addition, it also plays a critical role in attachment of cells to the basal membrane via integrin receptors.

Synonyms: PLC, Basement membrane-specific heparan sulfate proteoglycan core protein

Product images:



Immunohistochemistry on Frozen Section of Human kidney showing strong reactivity in the extracellular matrix and basement membrane.