

Product Datasheet

Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (A76) - BSA Free NBP1-05170

Unit Size: 100 ug

Store at 4C in the dark.

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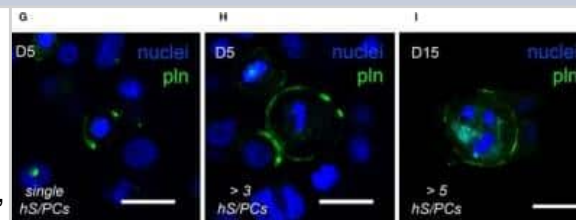
NBP1-05170**Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (A76) - BSA Free**

Product Information	
Unit Size	100 ug
Concentration	1.0 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	A76
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10mM Phosphate (pH 7.4) and 0.5M NaCl
Product Description	
Description	Novus Biologicals Mouse Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (A76) - BSA Free (NBP1-05170) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3339
Gene Symbol	HSPG2
Species	Human, Bovine
Specificity/Sensitivity	Highly specific for perlecan. There is no evidence for cross-reactivity with other connective tissue proteins (vitronectin, fibronectin, elastin, collagen, laminin).
Immunogen	Lysed bovine corneal endothelial cells and extracellular matrix
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Immunoaffinity Purification
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:8000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Immunoaffinity Purification
Application Notes	Use in ICC/IF was reported in scientific literature (PMID: 31750298). IHC: NBP1-05170 can be used in immunostaining of frozen PLP-fixed sections of bovine and human tissues. AP: NBP1-05170 is more sensitive than NBP2-23522 or NBP2-23523 in ELISA. (2) IP: NBP1-05170 can be used in immunoprecipitation.

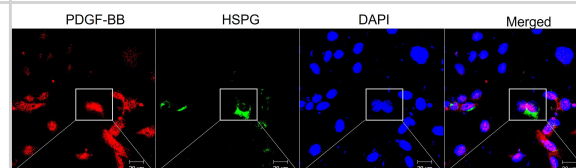
Images

Immunocytochemistry/Immunofluorescence:

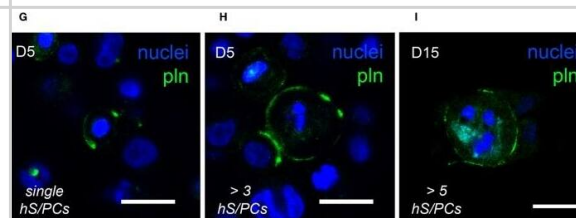
Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (A76) - BSA Free [NBP1-05170] - Perlecan (green) (G-I) secretion follows to stabilize the laminin and collagen IV networks. Scalebar = 20 μ m in all confocal micrographs. Image collected and cropped by CiteAb from the following publication (frontiersin.org/article/10.3389/fcell.2019.00224/full), licensed under a CC-BY license.



Immunocytochemistry/Immunofluorescence: Mouse Monoclonal Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (A76) - BSA Free [NBP1-05170] - Human primary brain microvascular endothelial cells stained for PDGF-BB (NBP1-58279), red and HSPG (NBP1-05170), green and nuclear DAPI blue. Image from a verified customer review.



hS/PCs sequentially secrete basement membrane proteins during microstructure reorganization and function. Encapsulated hS/PCs in HA-PEGDA hydrogels initially produce laminin (red) (A–C) and collagen IV (green) (D–F) even at the single-cell state (A,D). Perlecan (green) (G–I) secretion follows to stabilize the laminin and collagen IV networks. Scalebar = 20 μ m in all confocal micrographs. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/31750298>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Stankiewicz LN, Salim K, Flaschner EA, Wang YX et Al. Sex-biased human thymic architecture guides T cell development through spatially defined niches *Dev Cell* 2024-10-09 [PMID: 39383865]

Wu D, Witt RL, Harrington DA, Farach-Carson MC Dynamic Assembly of Human Salivary Stem/Progenitor Microstructures Requires Coordinated α 1 β 1 Integrin-Mediated Motility *Front Cell Dev Biol* 2019-10-16 [PMID: 31750298] (ICC/IF, Human)

Pain S, Dos Santos M, Gaydon A, Boher A. Restoration of Both Epithelial and Endothelial Perlecan/Dystroglycan Expressions by *Polygonum bistorta* Induces Skin Rejuvenation. *International Federation of Science of Cosmetic Chemists*. 2014-03-01 (IHC-P, Human)



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Products Related to NBP1-05170

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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