

# Product Datasheet

## Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (A7L6) [Alexa Fluor® 594] NBP2-47695AF594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47695AF594**

Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (A7L6) [Alexa Fluor® 594]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	A7L6
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	Alexa Fluor 594
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Rat
Gene ID	3339
Gene Symbol	HSPG2
Species	Human, Mouse, Porcine, Bovine, Fish, Monkey
Reactivity Notes	Use in Human reported in scientific literature (PMID:34228647)
Specificity/Sensitivity	This monoclonal antibody specifically precipitates heterogeneous material of high MW, identified as perlecan, a major heparan-sulfate proteoglycan (HSPG) within all basement membranes and cell surfaces. It does not cross-react with laminin, fibronectin, or dermatan sulfate proteoglycan. Because of perlecan's strategic location and ability to store and protect growth factors, it has been strongly implicated in the control of tumor cell growth and metastatic behavior. Perlecan possesses angiogenic and growth-promoting attributes primarily by acting as a co-receptor for basic fibroblast growth factor (FGF-2). Suppression of perlecan causes substantial inhibition of neoplastic growth and neovascularization. Thus, perlecan is a potent inducer of neoplasm growth and angiogenesis in vivo and therapeutic interventions targeting this key modulator of tumor progression may improve neoplastic treatment.
Immunogen	Murine EHS laminin preparation



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<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-47695AF594**

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NBP3-17840PEP	Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
2364-ER-050	Endorepellin/Perlecan/Heparan Sulfate Proteoglycan [Unconjugated]
236-EG-200	EGF [Unconjugated]

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### **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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