Datasheet for ABIN6939672

anti-HSPG2 antibody

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	HSPG2
Reactivity:	Human, Mouse, Cow, Fish, Monkey, Pig
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This HSPG2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunostaining (ISt), Staining Methods (StM)

Product Details

Immunogen:	Murine EHS laminin preparation
Clone:	A7L6
Isotype:	IgG2a kappa
Specificity:	This MAb 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 dermatran 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

Product Details

	tumor progression may improve neoplastic treatment.
Purification:	Purified by Protein A/G

Target Details

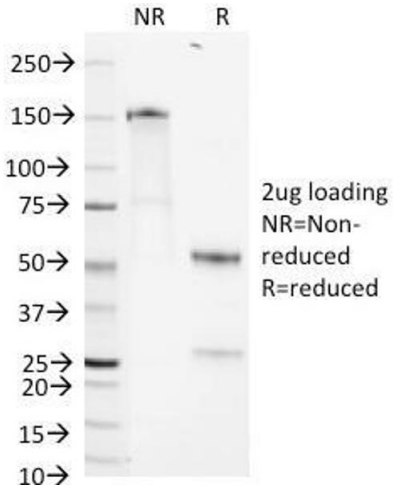
Target:	HSPG2
Alternative Name:	HSPG2 (HSPG2 Products)
Molecular Weight:	>400kDa
Gene ID:	3339
UniProt:	P98160
Pathways:	Glycosaminoglycan Metabolic Process, Lipid Metabolism

Application Details

Application Notes:	Positive Control: Breast carcinomas, squamous cell carcinomas. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

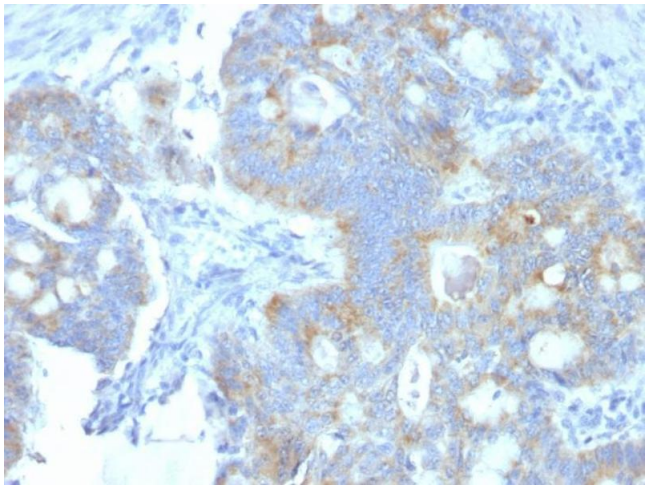
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Heparan Sulfate Monoclonal Antibody (A7L6). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Heparan Sulfate Monoclonal Antibody (A7L6).