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Datasheet for ABIN6937452 **anti-HSPG2 antibody**

Overview

Quantity:	100 µg
Target:	HSPG2
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This HSPG2 antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Murine EHS laminin preparation
Clone:	A7L6
Isotype:	IgG2a kappa
Specificity:	<p>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 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</p>

Product Details

tumor progression may improve neoplastic treatment.

Cross-Reactivity (Details): Human. Monkey. Cow. Pig. Mouse. Fish.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: HSPG2

Alternative Name: HSPG2 ([HSPG2 Products](#))

Background: Heparan sulfate proteoglycan of basement membrane, HSPG, Hspg2, LG3 peptide, Perlecan, PLC, SJS1, Heparan Sulfate Proteoglycan (Large) / Perlecan
Cellular localisation: Basement membrane

Molecular Weight: >400kDa

Gene ID: 3339, 562227

UniProt: [P98160](#)

Pathways: [Glycosaminoglycan Metabolic Process](#), [Lipid Metabolism](#)

Application Details

Application Notes: Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: Breast carcinomas, squamous cell carcinomas.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Handling

Expiry Date: 24 months