Datasheet for ABIN6159608

anti-HSPG antibody

1 Image

Go to Product page

Overview

Quantity:	50 µL
Target:	HSPG
Reactivity:	Human, Cow, Mouse, Fish, Monkey, Pig
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This HSPG antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Purpose:	Rat Monoclonal anti-Heparan Sulfate Proteoglycan (A7L6), Purified, BSA-free
Immunogen:	Murine EHS laminin preparation
Clone:	A7L6
Isotype:	IgG2a kappa
Characteristics:	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

Product Details

	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. Primary antibodies are available purified, or with a selection of fluorescent CF ® dyes and other labels. CF ® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF ®405S and CF ®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.
Purification:	Purified

Target Details

Target:	HSPG
Alternative Name:	Heparan Sulfate Proteoglycan (HSPG Products)
Background:	Heparan sulfate proteoglycan of basement membrane, HSPG, Hspg2, LG3 peptide, Perlecan, PLC, SJS1
Molecular Weight:	>400 kDa
Gene ID:	3339, 562227
UniProt:	P98160

Application Details

Application Notes:	Immunohistology formalin-fixed 1-2 µg/mL • Staining of formalin/paraffin tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min • Immunofluorescence 0.5-1 µg/mL • Flow Cytometry 0.5-1 µg/million cells/0.1 mL • Optimal dilution for a specific application should be determined by user
Comment:	Breast carcinomas, squamous cell carcinomas.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL

Handling

Buffer:	PBS (no BSA, no azide)
Preservative:	Azide free

Images

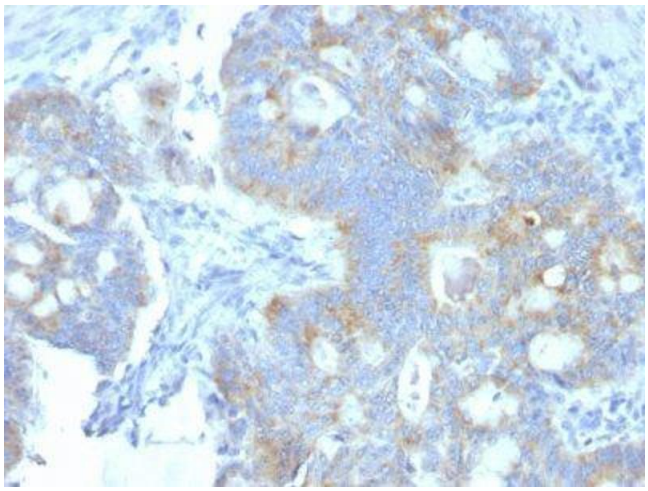

Image 1.