

Datasheet for ABIN6159579
anti-HSPG antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	HSPG
Reactivity:	Human, Cow, Mouse, Fish, Monkey, Pig
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This HSPG antibody is conjugated to CF®647
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), CF647 Conjugate
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 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

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.

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 <ul style="list-style-type: none">• 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:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light