Datasheet for ABIN7155022

anti-HPSE antibody (AA 263-523)

2 Images

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Overview

Quantity:	100 µg
Target:	HPSE
Binding Specificity:	AA 263-523
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HPSE antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Heparanase protein (263-523AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	HPSE
Alternative Name:	HPSE (HPSE Products)
Background:	Background: Endoglycosidase that cleaves heparan sulfate proteoglycans (HSPGs) into heparan sulfate side chains and core proteoglycans. Participates in extracellular matrix (ECM)

Target Details

	degradation and remodeling. Selectively cleaves the linkage between a glucuronic acid unit and an N-sulfo glucosamine unit carrying either a 3-O-sulfo or a 6-O-sulfo group. Can also cleave the linkage between a glucuronic acid unit and an N-sulfo glucosamine unit carrying a 2-O-sulfo group, but not linkages between a glucuronic acid unit and a 2-O-sulfated iduronic acid moiety. It is essentially inactive at neutral pH but becomes active under acidic conditions such as during tumor invasion and in inflammatory processes. Facilitates cell migration associated with metastasis, wound healing and inflammation. Enhances shedding of syndecans, and increases endothelial invasion and angiogenesis in myelomas. Acts as procoagulant by increasing the generation of activation factor X in the presence of tissue factor and activation factor VII. Increases cell adhesion to the extacellular matrix (ECM), independent of its enzymatic activity. Induces AKT1/PKB phosphorylation via lipid rafts increasing cell mobility and invasion. Heparin increases this AKT1/PKB activation. Regulates osteogenesis. Enhances angiogenesis through up-regulation of SRC-mediated activation of VEGF. Implicated in hair follicle inner root sheath differentiation and hair homeostasis. Aliases: Endo glucoronidase antibody, Endo-glucoronidase antibody, HEP antibody, Heparanase 50 kDa subunit antibody, Heparanase antibody, Heparanase-1 antibody, Heparanase1 antibody, Hpa 1 antibody, HPA antibody, Hpa1 antibody, HPR 1 antibody, HPR1 antibody, HPSE 1 antibody, HPSE antibody, HPSE_HUMAN antibody, HPSE1 antibody, HSE 1 antibody, HSE1 antibody
UniProt:	Q9Y251
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

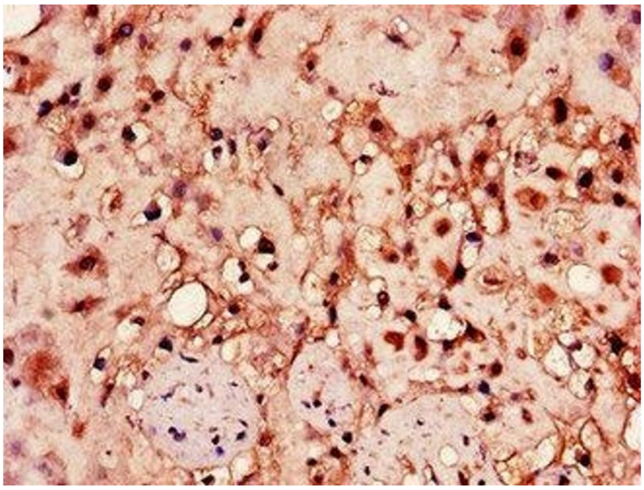
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

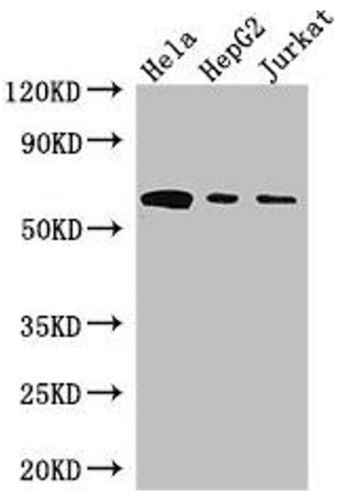
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7155022 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, Jurkat whole cell lysate All lanes: HPSE antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 62, 55, 54, 43 kDa Observed band size: 62 kDa

