

Rabbit anti-Human HPSE Polyclonal Antibody | anti-HPSE antibody

HPSE Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26966	Rabbit	Human	ELISA, Western Blot, Immunohistochemistry

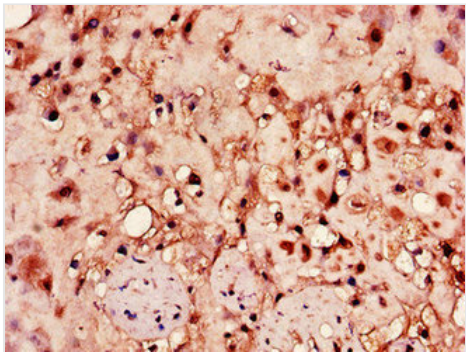
PRODUCT SYNONYMS

HPSE; Polyclonal Antibody; HPSE Antibody; Heparanase (EC 3.2.1.166) (Endo-glucuronidase) (Heparanase-1) (Hpa1)[Cleaved into: Heparanase 8 kDa subunit; Heparanase 50 kDa subunit]; HEP HPA HPA1 HPR1 HPSE1 HSE1; anti-HPSE antibody

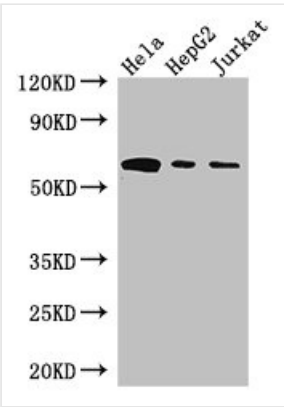
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	543
Applicable Applications for anti-HPSE antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:5000 IHC: 1:20-1:200
Immunogen	Recombinant Human Heparanase protein (263-523AA)
Conjugate	Non-conjugated
Storage Buffer	Storage Buffer Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Immunogen Species	Homo sapiens (Human)
Research Area	Tags & Cell Markers
Target Names	HPSE
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-25825 / sc-26136
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human placenta tissue using AAA26966 at dilution of 1:100



WB (Western Blot)
Western BlotPositive WB detected in:HeLa whole cell lysate,HepG2 whole cell lysate,Jurkat whole cell lysateAll lanes: HPSE antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 62,55,54,43 kDaObserved band size: 62 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HPSE antibody	Endoglycosidase that cleaves heparan sulfate proteoglycans (HSPGs) into heparan sulfate side chains and core proteoglycans. Participates in extracellular matrix (ECM) 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 upregulation of SRC-mediated activation of VEGF. Implicated in hair follicle inner root sheath differentiation and hair homeostasis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148746204
NCBI GeneID	10855
NCBI Accession #	NP_001092010.1
NCBI GenBank Nucleotide #	NM_001098540.2
UniProt Accession #	Q9Y251; Q53GE5; Q9UL39; A9JIG7; C7F713; C7F714; E9PCA9; E9PGR1
NCBI Official Full Name	heparanase isoform 1 preproprotein
NCBI Official Synonym Full Names	heparanase
NCBI Official Symbol	HPSE
NCBI Official Synonym Symbols	HPA; HPA1; HPR1; HSE1; HPSE1
NCBI Protein Information	heparanase
UniProt Protein Name	Heparanase
UniProt Gene Name	HPSE
UniProt Synonym Gene Names	HEP; HPA; HPA1; HPR1; HPSE1; HSE1; Hpa1
UniProt Entry Name	HPSE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/hpse-antibody-western-blot-immunohistochemistry-elisa/26966>