

Mouse anti-Human HPSE Monoclonal Antibody | anti-HPSE antibody

HPSE (Heparanase, Endo-glucuronidase, Heparanase-1, Hpa1, HEP, HPA, HPA1, HPR1, HPSE1, HSE1) (PE)

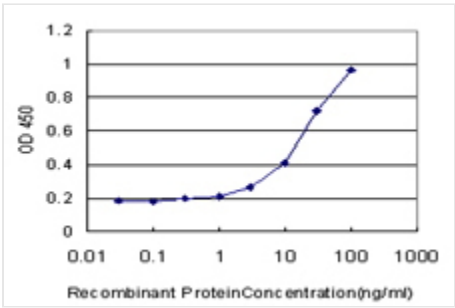
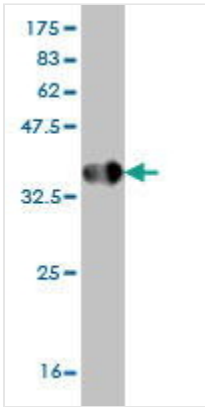
CATALOG # AAA25718	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

HPSE; Monoclonal Antibody; HPSE (Heparanase; Endo-glucuronidase; Heparanase-1; Hpa1; HEP; HPA; HPA1; HPR1; HPSE1; HSE1) (PE); anti-HPSE antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	4D7
Specificity	Recognizes human HPSE.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Concentration	1mg/mL (varies by lot)
Sequence	LILLGSPKLR TLARGLSPAY LRFGGTKTDF LIFDPKKEST FEERSY WQSQVNQDIC KYGSIPPDVE EKLRLWPYQ EQLLLREHYQ KKFKNSTYSR SSV
Sequence Length	543
Applicable Applications for anti-HPSE antibody	ELISA, WB (Western Blot)
Application Notes	Suitable for use in ELISA and Western Blot. Other applications not tested Optimal dilutions to be determined by the researcher.
Immunogen	Partial recombinant corresponding to aa72-170 from human HPSE (NP_006656) with GST tag. MW of the GST tag alone is 26kD.
Grade	Affinity purified
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



Application Data
Detection limit for recombinant GST tagged HPSE is ~0.3ng/ml using (AAA25718) as a capture antibody.

WB (Western Blot)
Western Blot detection against Immunogen using (AAA25718) (37kD).

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 up-regulation of SRC-mediated activation of VEGF. Implicated in hair follicle inner root sheath differentiation and hair homeostasis.
Product Categories/Family for anti-HPSE antibody	Antibodies; Enzymes; Heparanase

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729873
NCBI Accession #	NP_006656.1
NCBI GenBank Nucleotide #	NM_006665
NCBI Official Full Name	heparanase

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.