Product datasheet

Anti-HPSE Antibody

Catalog Number: *PB0405*

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Basic Information

Product Name	Anti-HPSE Antibody
Gene Name	HPSE
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Heparanase 1 (301-331aa NGRTATKEDFLNPDVLDIFISSVQKVFQVVE), different from the related mouse and rat sequences by eight amino acids.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	65KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Heparanase, also known as HPSE, is an enzyme that acts both at the cell-surface and within the extracellular matrix to degrade polymeric heparan sulfate molecules into shorter chain length oligosaccharides. Heparanase is an endo-beta-D-glucuronidase capable of cleaving heparan sulfate and has been implicated in inflammation and tumor angiogenesis and metastasis. The successful penetration of the endothelial cell layer that lines the interior surface of blood vessels is an important process in the formation of blood borne tumour metastases. Heparan sulfate proteoglycans are major constituents of this layer and it has been shown that increased metastatic potential corresponds with increased heparanase activity for a number of cell lines.

Reference

Anti-HPSE Antibody被引用在2文献中。

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Selected Validation Data

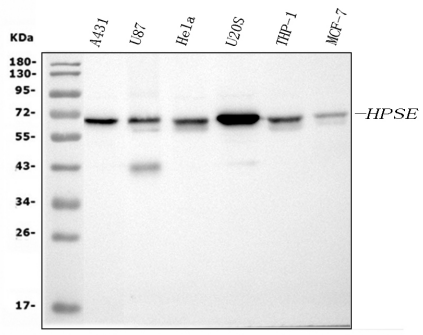

Figure 1. Western blot analysis of anti-Heparanase 1 antibody (PB0405). The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: A431 Whole Cell Lysate,
Lane 2: U87 Whole Cell Lysate,
Lane 3: HELA Whole Cell Lysate,
Lane 4: U2OS Whole Cell Lysate,
Lane 5: THP-1 Whole Cell Lysate,
Lane 6: MCF-7 Whole Cell Lysate.
Use rabbit anti- Heparanase 1 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for Heparanase 1 at approximately 65KD. The expected band size for Heparanase 1 is at 61KD.