

For Research Use Only

HPSE Monoclonal antibody, PBS Only



Catalog Number: 66226-1-PBS

Featured Product

Basic Information

Catalog Number:

66226-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10067

GenBank Accession Number:

BC051321

GeneID (NCBI):

10855

UNIPROT ID:

Q9Y251

Full Name:

heparanase

Calculated MW:

543 aa, 61 kDa

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

1D8B8

Applications

Tested Applications:

WB, IF, IHC, ELISA

Species Specificity:

human

Background Information

HPSE (Heparanase) is also named as HEP, HPA, HPA1, HPR1, HPSE1, HSE1 and belongs to the glycosyl hydrolase 79 family. It is an endoglycosidase that cleaves heparan sulfate proteoglycans (HSPGs) into heparan sulfate side chains and core proteoglycans. HPSE is essential in the disassembly of the extracellular matrix (ECM) by invading cells. It has 3 isoforms produced by alternative splicing with the molecular weight of 61 kDa, 55 kDa and 53 kDa. The full length protein has six glycosylation sites. The cleavage of the 65 kDa form leads to the generation of a linker peptide, and 8 kDa and 50 kDa products. The active form, the 8/50 kDa heterodimer, is resistant to degradation and glycosylation of the 50 kDa subunit appears to be essential for its solubility.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only

For technical support and original validation data for this product please contact:

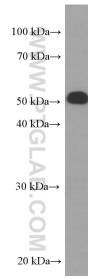
T: 4006900926

E: Proteintech-CN@ptglab.com

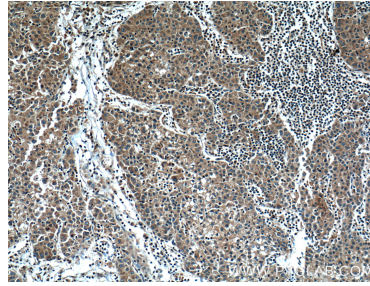
W: ptgcn.com

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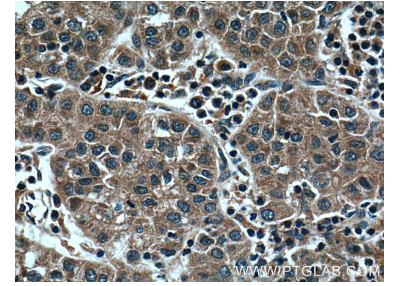
Selected Validation Data



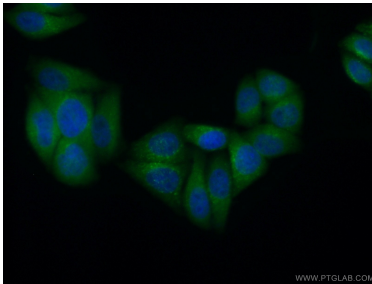
HepG2 cells were subjected to SDS PAGE followed by western blot with 66226-1-Ig (HPSE Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66226-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66226-1-Ig (HPSE Antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66226-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66226-1-Ig (HPSE Antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66226-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 66226-1-Ig(HPSE antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66226-1-PBS in a different storage buffer formulation.