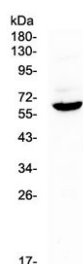


Heparanase Antibody (R32773)

Catalog No.	Formulation	Size
R32773	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q6YGZ1
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Heparanase antibody is available for research use only.



Western blot testing of mouse spleen lysate with Heparanase antibody at 0.5ug/ml. Predicted molecular weight: 61 kDa (isoform 1), ~53 kDa (isoform 2/3), ~43 kDa (isoform 4).

Description

Heparanase 1, 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.

Application Notes

Optimal dilution of the Heparanase antibody should be determined by the researcher.

Immunogen

Amino acids K206-K457 from mouse Heparanase 1 were used as the immunogen for the Heparanase antibody.

Storage

After reconstitution, the Heparanase antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.