

bs-25726R**[Primary Antibody]****Bioss**
ANTIBODIES

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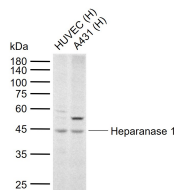
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Heparanase 1 Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human
GeneID: 10855	SWISS: Q9Y251	
Target: Heparanase 1		
Immunogen: KLH conjugated synthetic peptide derived from human Heparanase 50 kDa subunit: 421-520/543.		Predicted MW.: 43 kDa
Purification: affinity purified by Protein A		Subcellular Location: Secreted ,Cell membrane ,Cytoplasm ,Nucleus
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Heparanase is an endo-beta-D-glucuronidase, which degrades heparan sulfate side chains of heparan sulfate proteoglycans (HSPGs) in the extracellular matrix. Heparanase plays an important role in ECM degradation, facilitating the migration and extravasations of tumor cells and inflammatory leukocytes. Upon degradation, heparanase releases growth factors and cytokines that stimulate cell proliferation and chemotaxis. Heparanase is a heterodimer comprised of a 50 kDa subunit harboring the active site and an 8 kDa subunit. It is produced as a latent 65 kDa precursor and proteolytically processed to its active form. Heparanase is highly expressed in myeloid leukocytes (i.e. neutrophils) in platelets and in human placenta. Human heparanase was found to be upregulated in various types of primary tumors, correlating in some cases with increased tumor invasiveness and vascularity and with poor prospective survival.		

VALIDATION IMAGES

Sample: Lane 1: Human HUVEC cell lysates Lane
2: Human A431 cell lysates Primary: Anti-
Heparanase 1 (bs-25726R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 43 kDa
Observed band size: 44 kDa

SELECTED CITATIONS

- **[IF=4]** Rui Qu. et al. Destruction of vascular endothelial glycocalyx during formation of pre-metastatic niches. HELIYON. 2024 Apr;10: IHC ;Mouse. 38601565