OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP08811PU-N

Heparanase 1 (HPSE) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Immunohistochemistry on Paraffin Sections:** 5 µg/ml. **Western Blot:** 1/500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Human 50kD-8kD Heparanase Heterodimer recombinant protein.
Specificity:	Recognizes the 65kD precursor as well as the 50kD and 8kD subunits of Human or Mouse Heparanase.
Formulation:	PBS, pH 7.2 containing 0.001% Thimerosal as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	heparanase
Database Link:	Entrez Gene 10855 Human Q9Y251

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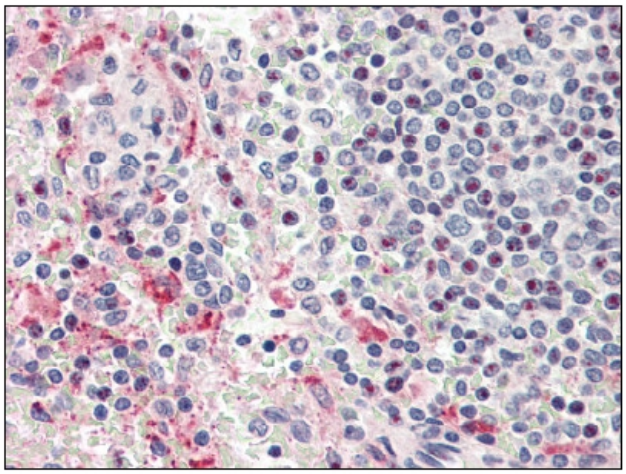
Background: Heparanase is an endo-beta-D-glucuronidase, which degrades heparan sulfate side chains of heparan sulfate proteoglycans (HSPGs) in the extracellular matrix. Heparanase plays an important role in ECM degradation, facilitating the migration and extravasation of tumor cells and inflammatory leukocytes. Upon degradation, heparanase releases growth factors and cytokines that stimulate cell proliferation and chemotaxis. Heparanase is a heterodimer comprised of a 50kD subunit harboring the active site and a 8kD subunit. It is produced as a latent 65kD 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.

Synonyms: HEP, HPA, HPA1, HPR1, HPSE1, HSE1, Heparanase-1, Endo-Glucoronidase

Note: **Predicted Molecular Weight:** 62 kDa.

Product images:



Immunohistochemistry: Heparanase antibody staining of Formalin-Fixed Paraffin-Embedded of Human Spleen at 5 ug/ml followed by biotinylated Goat anti-Rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.