

# Anti-Heparanase 1 antibody ab85543

★★★★★ [2 Abreviews](#) [18 References](#) [3 图像](#)

### 概述

产品名称	Anti-Heparanase 1抗体
描述	兔多克隆抗体to Heparanase 1
宿主	Rabbit
特异性	ab85543 recognizes the 65kD precursor as well as the 50kD and 8kD subunits of Heparanase 1.
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human, Recombinant fragment
免疫原	Recombinant full length protein corresponding to Human Heparanase 1.
阳性对照	Human spleen tissue.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Thimerosal (merthiolate) Constituent: PBS
纯度	Protein G purified
克隆	多克隆
同种型	IgG

### 应用

The Abpromise guarantee

**Abpromise™** 承诺保证使用ab85543于以下的经测试应用

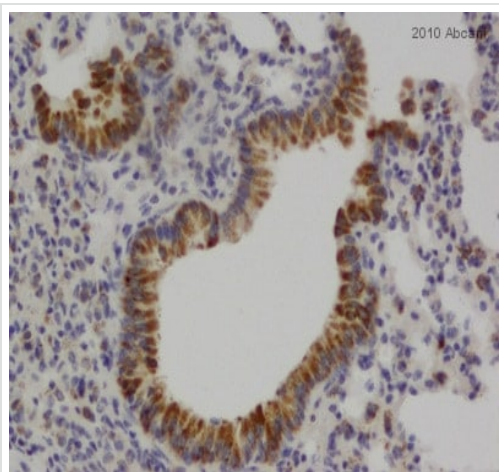
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500. Predicted molecular weight: 62 kDa.
IHC-P	★★★★★ (1)	Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 靶标

功能	Endoglycosidase which is a cell surface and extracellular matrix-degrading enzyme. Cleaves heparan sulfate proteoglycans (HSPGs) into heparan sulfate side chains and core proteoglycans. Also implicated in the extravasation of leukocytes and tumor cell lines. Due to its contribution to metastasis and angiogenesis, it is considered to be a potential target for anti-cancer therapies.
组织特异性	Highly expressed in placenta and spleen and weakly expressed in lymph node, thymus, peripheral blood leukocytes, bone marrow, endothelial cells, fetal liver and tumor tissues.
序列相似性	Belongs to the glycosyl hydrolase 79 family.
翻译后修饰	Proteolytically processed. The cleavage of the 65 kDa form leads to the generation of a linker peptide, 8 kDa and 50 kDa product. The active form, the 8/50 kDa heterodimer, is resistant to degradation. Complete removal of the linker peptide appears to be a prerequisite to the complete activation of the enzyme. N-glycosylated. Glycosylation of the 50 kDa subunit appears to be essential for its solubility.
细胞定位	Lysosome membrane. Secreted. Secreted, internalised and transferred to late endosomes/lysosomes as a proheparanase. In lysosomes, it is processed into the active form, the heparanase. The uptake or internalisation of proheparanase is mediated by HSPGs. Heparin appears to be a competitor and retain proheparanase in the extracellular medium.

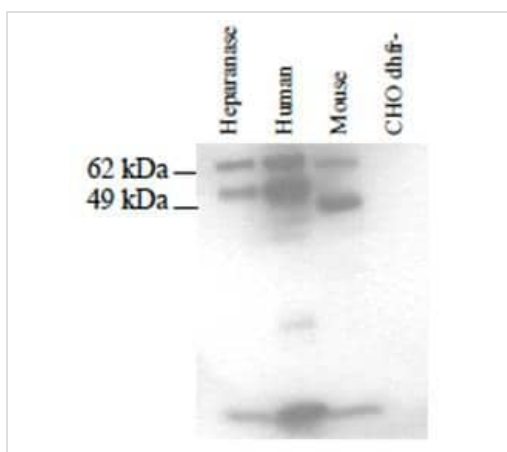
## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Heparanase 1 antibody (ab85543)

This image is courtesy of an Abreview submitted by Jim Manavis

ab85543 staining Heparanase 1 in Human lung tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% NHS for 30 minutes at room temperature; antigen retrieval was by heat mediation with an EDTA buffer. Samples were incubated with primary antibody (1/4000 in NHS) for 8 hours. A Biotin-conjugated Goat anti-rabbit IgG polyclonal (1/250) was used as the secondary antibody.



Western blot - Anti-Heparanase 1 antibody (ab85543)

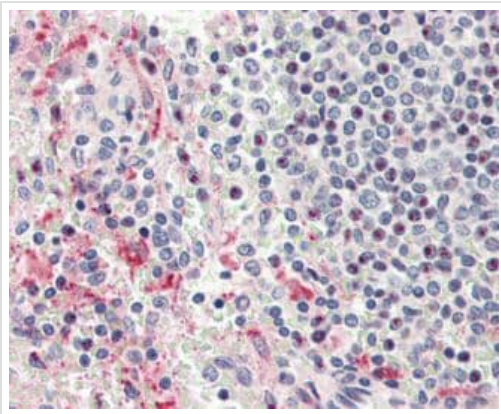
Purified recombinant human heparanase served as a control (Lane1). Lane2: An extract from  $6.5 \times 10^3$  CHO cells, transfected with human Heparanase; Lane3: extract from  $8 \times 10^4$  CHO cells, transfected with mouse Heparanase, and Lane4: extract from  $5 \times 10^5$  non-transfected CHO dhfr- cells, were loaded onto 4-12% NuPage gel. The proteins were transferred to a PVDF and subjected to Western Blot analysis using ab85543 at 1:1000 dilution. The 65kD precursor and the 50kD and 8kD subunits are clearly detected. Lane 1 : Purified recombinant human Heparanase served as a control

Lane 2 : Extract from  $6.5 \times 10^3$  CHO cells, transfected with human Heparanase

Lane 3 : Extract from  $8 \times 10^4$  CHO cells, transfected with mouse Heparanase

Lane 4 : Extract from  $5 \times 10^5$  non-transfected CHO dhfr- cells

Cell were loaded onto 4-12% NuPage gel. The proteins were transferred to a PVDF and subjected to Western Blot analysis using ab85543 at 1:1000 dilution. The cleavage of the 65 kDa form leads



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Heparanase 1 antibody (ab85543)

ab85543, at 5µg/ml, staining Heparanase 1 in formalin-fixed, paraffin-embedded human spleen tissue by Immunohistochemistry.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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