

# Anti-Tissue Plasminogen Activator antibody [H27B6] ab28374

**4 References**   **1 图像**

### 概述

|       |   |
|-------|---|
| 产品名称  | Anti-Tissue Plasminogen活化剂抗体[H27B6]   |
| 描述    | 小鼠单克隆抗体[H27B6] to组织Plasminogen活化剂   |
| 宿主    | Mouse   |
| 经测试应用 | 适用于: WB, ELISA, IHC-P   |
| 种属反应性 | 与反应: Mouse, Rat   |
| 免疫原   | Recombinant full length protein (Mouse)   |
| 表位    | protease domain (see Declerck et al)  |
| 阳性对照  | This antibody gave a positive result in IHC in the following FFPE tissue: Rat Normal Kidney.  |
| 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. Avoid freeze / thaw cycle.  |
| 存储溶液 | pH: 7.40<br>Constituents: 0.82% Sodium phosphate, 0.87% Sodium chloride                                      |
| 纯度   | Protein A purified   |
| 纯化说明 | Protein A Sepharose. Purity is = 98% assessed by visual inspection of a Coomassie® bluestained SDS-PAGE gel. |
| 克隆   | 单克隆  |
| 克隆编号 | H27B6  |
| 同种型  | IgG  |

应用

The Abpromise guarantee      Abpromise™承诺保证使用ab28374于以下的经测试应用

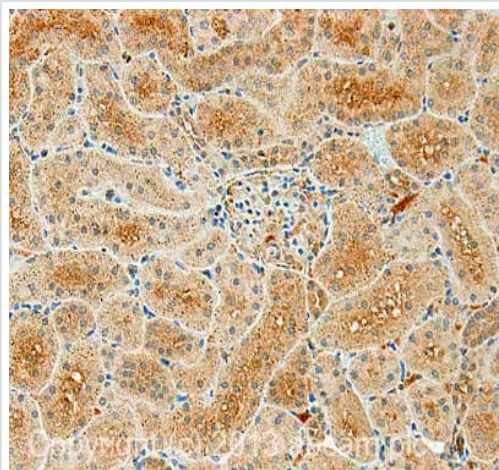
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用    | Ab评论 | 说明  |
|-------|------|---|
| WB    |      | Use at an assay dependent concentration.  |
| ELISA |      | Use at an assay dependent concentration.  |
| IHC-P |      | Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

靶标

|       |  |
|-------|--|
| 功能    | Converts the abundant, but inactive, zymogen plasminogen to plasmin by hydrolyzing a single Arg-Val bond in plasminogen. By controlling plasmin-mediated proteolysis, it plays an important role in tissue remodeling and degradation, in cell migration and many other physiopathological events. Play a direct role in facilitating neuronal migration.  |
| 组织特异性 | Synthesized in numerous tissues (including tumors) and secreted into most extracellular body fluids, such as plasma, uterine fluid, saliva, gingival crevicular fluid, tears, seminal fluid, and milk.   |
| 疾病相关  | Note=Increased activity of TPA results in increased fibrinolysis of fibrin blood clots that is associated with excessive bleeding. Defective release of TPA results in hypofibrinolysis that can lead to thrombosis or embolism.   |
| 序列相似性 | Belongs to the peptidase S1 family.<br>Contains 1 EGF-like domain.<br>Contains 1 fibronectin type-I domain.<br>Contains 2 kringle domains.<br>Contains 1 peptidase S1 domain.  |
| 结构域   | Both FN1 and one of the kringle domains are required for binding to fibrin.<br>Both FN1 and EGF-like domains are important for binding to LRP1.<br>The FN1 domain mediates binding to annexin A2.<br>The second kringle domain is implicated in binding to cytokeratin-8 and to the endothelial cell surface binding site.   |
| 翻译后修饰 | The single chain, almost fully active enzyme, can be further processed into a two-chain fully active form by a cleavage after Arg-310 catalyzed by plasmin, tissue kallikrein or factor Xa.<br>Differential cell-specific N-linked glycosylation gives rise to two glycoforms, type I (glycosylated at Asn-219) and type II (not glycosylated at Asn-219). The single chain type I glycoform is less readily converted into the two-chain form by plasmin, and the two-chain type I glycoform has a lower activity than the two-chain type II glycoform in the presence of fibrin.<br>N-glycosylation of Asn-152; the bound oligomannosidic glycan is involved in the interaction with the mannose receptor.<br>Characterization of O-linked glycan was studied in Bowes melanoma cell line. |
| 细胞定位  | Secreted > extracellular space.  |

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPA Tissue Plasminogen Activator antibody [H27B6] (ab28374)

IHC image of TPA Tissue Plasminogen Activator staining in Rat Normal Kidney formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab28374, 10µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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