

Anti-Tissue Plasminogen Activator antibody [EPR7232(2)]  
ab157469

重组 RabMAb

★★★★★ 1 Abreviews 9 References 12 图像

概述

产品名称	Anti-Tissue Plasminogen活化剂抗体[EPR7232(2)]
描述	兔单克隆抗体[EPR7232(2)] to组织Plasminogen活化剂
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Mouse plasma, Rat plasma, Human plasma, and Human liver lysates; IHC-P: human lung carcinoma, cervical carcinoma, skeletal muscle, brain, kidney and liver tissue, mouse and rat liver tissue
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号EPR7232(2)

同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab157469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)	1/1000 - 1/5000. Predicted molecular weight: 63 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0).

应用说明Is unsuitable for IP.

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.

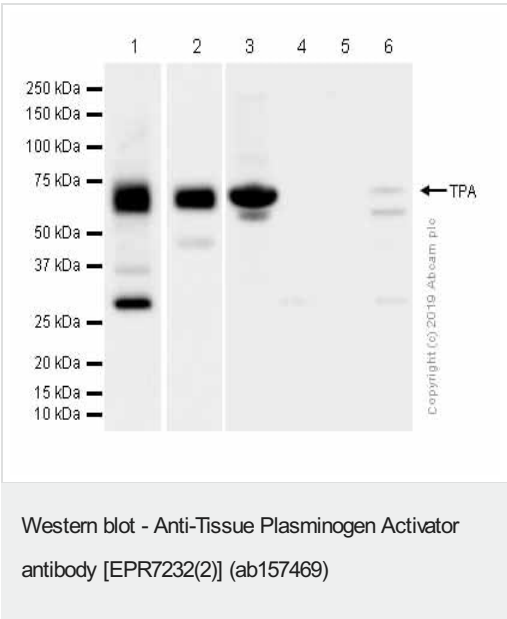
**疾病相关** Note=Increased activity of TPA results in increased fibrinolysis of fibrin blood clots that is associated with excessive bleeding. Defective release of TPA results in hypofibrinolysis that can lead to thrombosis or embolism.

**序列相似性** Belongs to the peptidase S1 family.  
Contains 1 EGF-like domain.  
Contains 1 fibronectin type-I domain.  
Contains 2 kringle domains.  
Contains 1 peptidase S1 domain.

**结构域** Both FN1 and one of the kringle domains are required for binding to fibrin.  
Both FN1 and EGF-like domains are important for binding to LRP1.  
The FN1 domain mediates binding to annexin A2.  
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.  
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.  
N-glycosylation of Asn-152; the bound oligomannosidic glycan is involved in the interaction with the mannose receptor.  
Characterization of O-linked glycan was studied in Bowes melanoma cell line.

图片



**All lanes :** Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469) at 1/1000 dilution (Purified)

- Lane 1 :** Mouse plasma lysates
- Lane 2 :** Rat plasma lysates
- Lane 3 :** Human plasma lysates
- Lane 4 :** Human brain lysates
- Lane 5 :** Human heart lysates
- Lane 6 :** Human liver lysates

Lysates/proteins at 15 µg per lane.

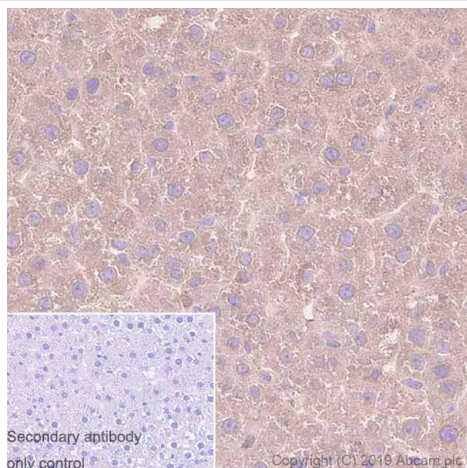
**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 63 kDa

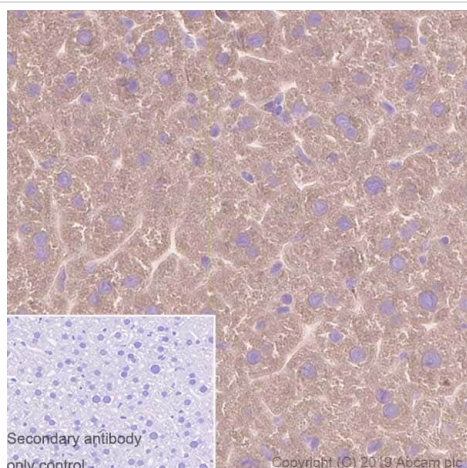
**Observed band size:** 68 kDa

T-PA is secreted and mainly released into blood and extracellular fluid to activate plasminogen. The molecular weight observed is consistent with what has been described in PMID: 22069469



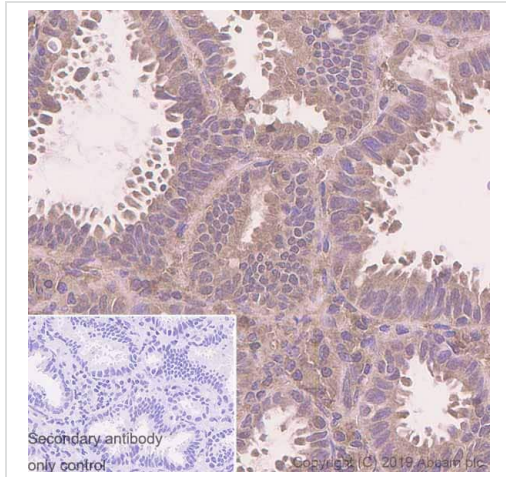
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat liver tissue sections labeling TPA Tissue Plasminogen Activator with purified ab157469 at 1/1000 dilution (1.91 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



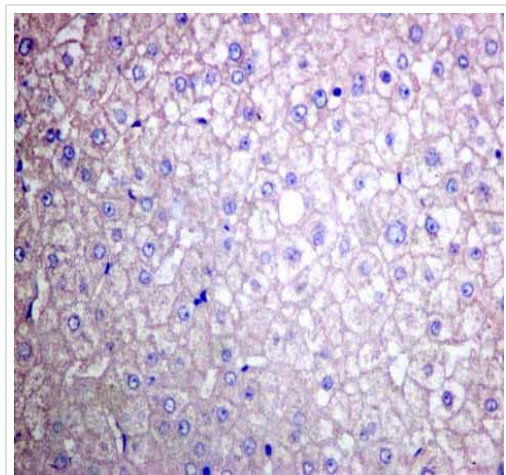
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse liver tissue sections labeling TPA Tissue Plasminogen Activator with purified ab157469 at 1/1000 dilution (1.91 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



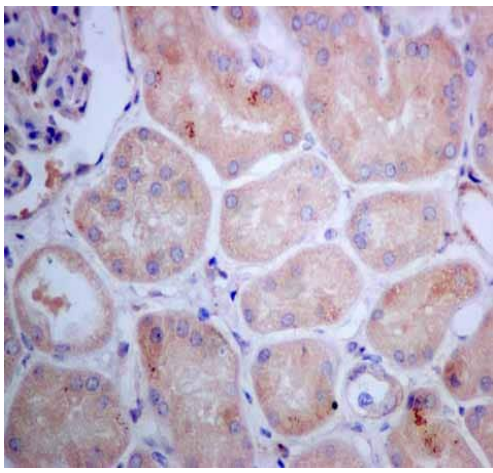
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung carcinoma tissue sections labeling TPA Tissue Plasminogen Activator with purified ab157469 at 1/1000 dilution (1.91 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



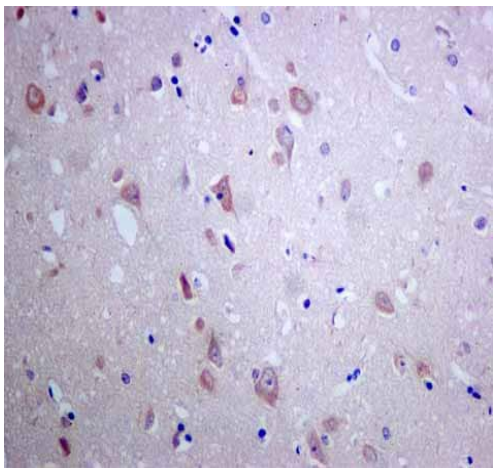
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)

ab157469 (unpurified) showing +ve staining in Human normal liver.



ab157469 (unpurified) showing +ve staining in Human normal kidney.

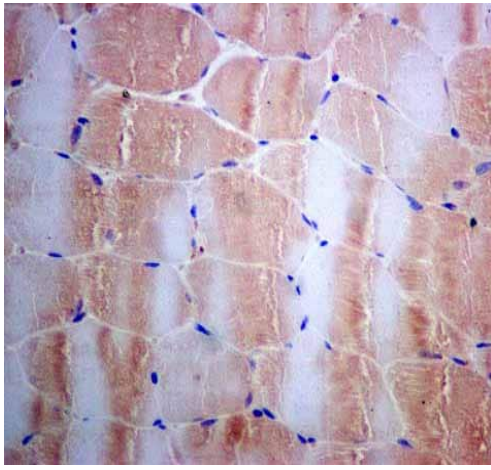
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)



ab157469 (unpurified) showing +ve staining in Human normal brain.

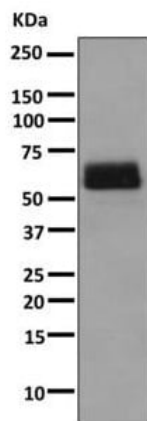
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)

ab157469 (unpurified) showing +ve staining in Human skeletal muscle.



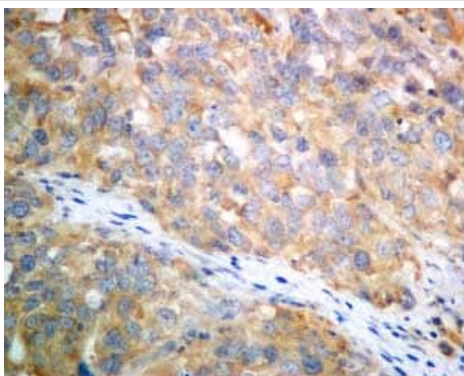
Western blot - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)

Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469) at 1/1000 dilution (unpurified) + Human plasma lysate at 10 µg

#### Secondary

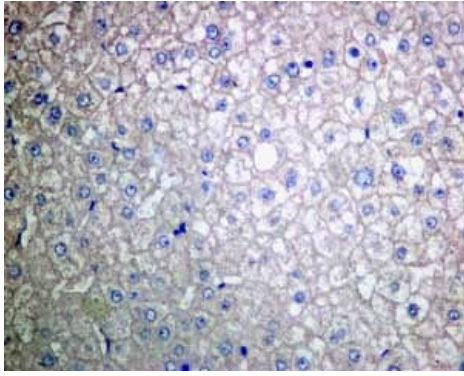
HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 63 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)

Immunohistochemical analysis of paraffin-embedded Human cervical carcinoma tissue labeling TPA Tissue Plasminogen Activator with ab157469 (unpurified) 1/100 dilution.



Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling TPA Tissue Plasminogen Activator with ab157469 (unpurified) at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)

Why choose a recombinant antibody?



Anti-Tissue Plasminogen Activator antibody [EPR7232(2)] (ab157469)

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

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