

Product datasheet

Anti-uPA Receptor/U-PAR antibody [EPR20191] ab218106

Recombinant RabMAb

[4 References](#) [6 Images](#)

Overview

Product name	Anti-uPA Receptor/U-PAR antibody [EPR20191]
Description	Rabbit monoclonal [EPR20191] to uPA Receptor/U-PAR
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: U937 whole cell lysate treated with 200nM PMA (Phorbol-12-myristate-13-acetate) for 72 hours. IHC-P: Human ovarian cancer, lung cancer and artery tissues.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20191

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab218106 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 35-65 kDa (predicted molecular weight: 37 kDa).
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function

Acts as a receptor for urokinase plasminogen activator. Plays a role in localizing and promoting plasmin formation. Mediates the proteolysis-independent signal transduction activation effects of U-PA. It is subject to negative-feedback regulation by U-PA which cleaves it into an inactive form.

Tissue specificity

Expressed in neurons of the rolandic area of the brain (at protein level). Expressed in the brain.

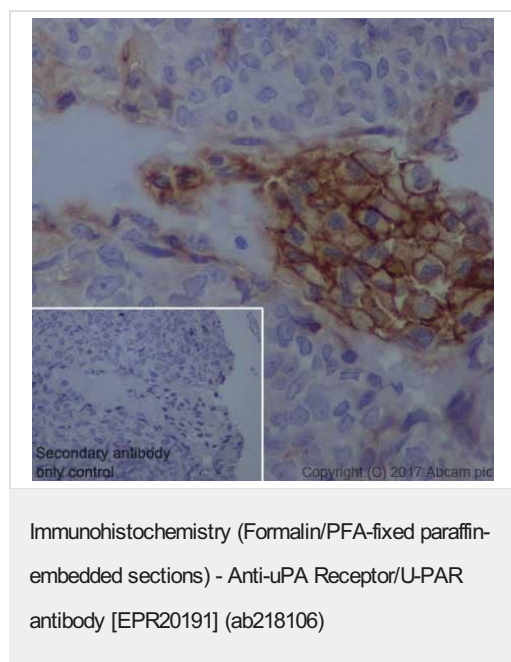
Sequence similarities

Contains 3 UPAR/Ly6 domains.

Cellular localization

Secreted and Cell membrane.

Images



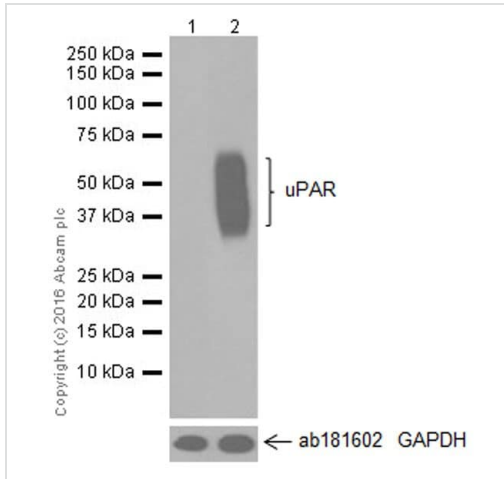
Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue labeling uPA Receptor/U-PAR with ab218106 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Membranous staining on dissociative cancer cells in blood vessel of human ovarian cancer is observed [PMID: 25120753].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-uPA Receptor/U-PAR antibody [EPR20191] (ab218106)

All lanes : Anti-uPA Receptor/U-PAR antibody [EPR20191] (ab218106) at 1/1000 dilution

Lane 1 : Untreated U937 (Human histiocytic lymphoma cell line) whole cell lysate

Lane 2 : U937 whole cell lysate treated with 200nM PMA (Phorbol-12-myristate-13-acetate) for 72 hours

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

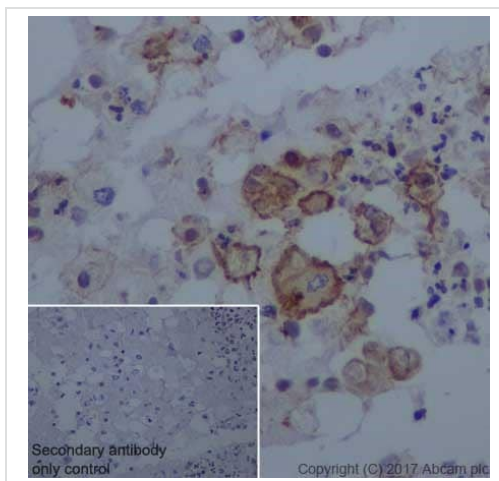
Predicted band size: 37 kDa

Observed band size: 35-65 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

PMA-stimulated U937 cells express uPA Receptor/U-PAR in the range of 35kDa-60kDa. Non-stimulated U937 cells are negative. The deglycosylated form of the protein is at 35 kDa and the highly glycosylated protein is at 60kDa (PMID:24999729).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-uPA Receptor/U-PAR antibody [EPR20191] (ab218106)

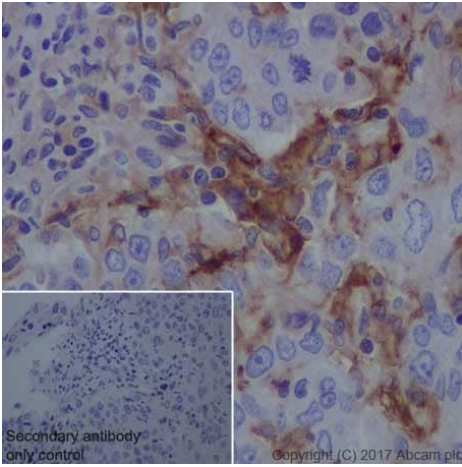
Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue labeling uPA Receptor/U-PAR with ab218106 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Membranous staining on the macrophages of human ovarian cancer is observed [PMID: 25575713].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-uPA Receptor/U-PAR antibody [EPR20191] (ab218106)

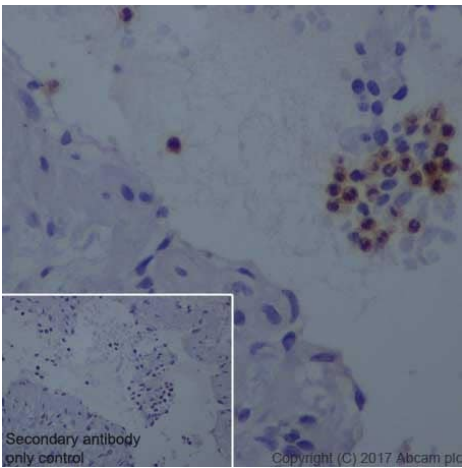
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue labeling uPA Receptor/U-PAR with ab218106 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Cytoplasmic staining on the stromal cells of human lung cancer is observed [PMID: 25575713].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-uPA Receptor/U-PAR antibody [EPR20191] (ab218106)

Immunohistochemical analysis of paraffin-embedded human artery tissue labeling uPA Receptor/U-PAR with ab218106 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Positive staining on the neutrophils in human artery is observed [PMID: 25575713].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-uPA Receptor/U-PAR antibody [EPR20191]
(ab218106)

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

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