

Anti-uPA Receptor/U-PAR antibody [EPR20191] - BSA and Azide free ab251557

Recombinant RabMAb

6 Images

Overview

Product name	Anti-uPA Receptor/U-PAR antibody [EPR20191] - BSA and Azide free
Description	Rabbit monoclonal [EPR20191] to uPA Receptor/U-PAR - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab251557 is the carrier-free version of ab218106.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20191
Isotype	IgG

Applications

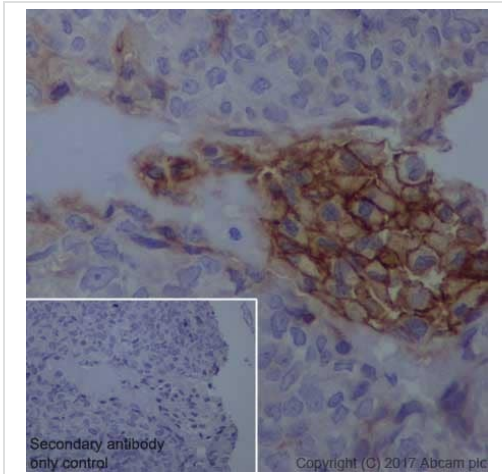
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251557 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

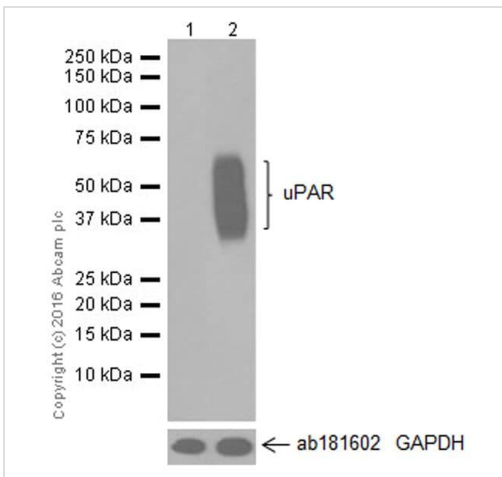
Function	Acts as a receptor for urokinase plasminogen activator. Plays a role in localizing and promoting plasmin formation. Mediates the proteolysis-independent signal transduction activation effects of U-PA. It is subject to negative-feedback regulation by U-PA which cleaves it into an inactive form.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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-uPA Receptor/U-PAR antibody [EPR20191] - BSA and Azide free (ab251557)

This data was developed using **ab218106**, the same antibody clone in a different buffer formulation. 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] - BSA and Azide free (ab251557)

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

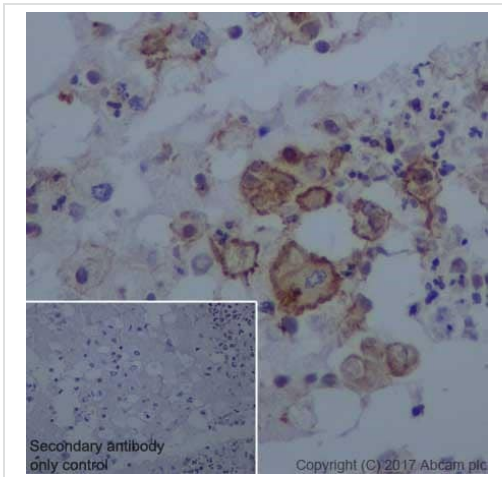
Observed band size: 35-65 kDa

Exposure time: 15 seconds

This data was developed using **ab218106**, the same antibody clone in a different buffer formulation.

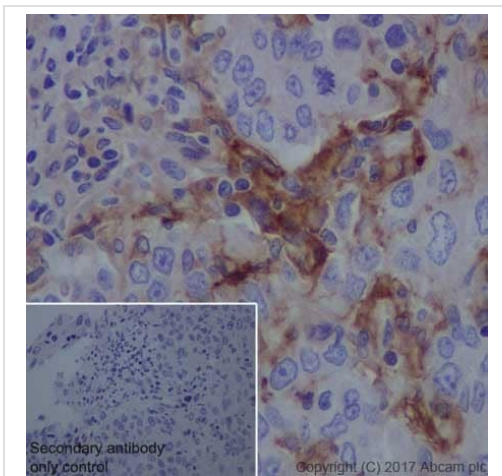
Blocking and dilution buffer: 5% NFDM/TBST.

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).



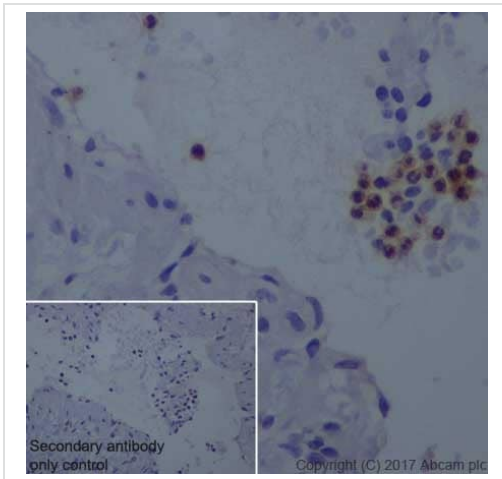
This data was developed using **ab218106**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue labeling uPA Receptor/U-PAR with **ab218106** at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. 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] - BSA and Azide free (ab251557)



This data was developed using **ab218106**, the same antibody clone in a different buffer formulation. 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] - BSA and Azide free (ab251557)



This data was developed using **ab218106**, the same antibody clone in a different buffer formulation. 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.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-uPA Receptor/U-PAR antibody [EPR20191] - BSA and Azide free (ab251557)

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

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

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