abcam

ab240825

Anti-uPA Receptor/U-PAR antibody [EPR22173-257] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR22173-257
Purification technique	Affinity purification Protein A
Concentration	1.057 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-

Notes	-

ICC/IF

Tested

Species	Human
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	-
Notes	-

Target data

See full target information PLAUR

Function	Acts as a receptor for urokinase plasminogen activator (PubMed:15677461). 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.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab240825 is the carrier-free version of ab221680.

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. 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.

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.

Compatibility

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.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

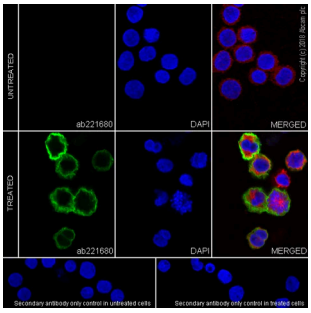
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

3 product images



Immunocytochemistry/ Immunofluorescence - Anti-uPA Receptor/U-PAR antibody [EPR22173-257] - BSA and Azide free (ab240825)

UPA Receptor/U-PAR Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-uPA Receptor/U-PAR antibody

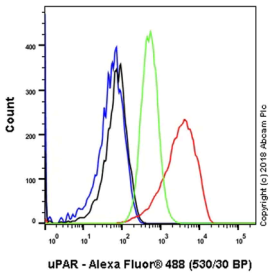
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U937 (human histiocytic lymphoma cell line) cells, untreated or treated with TPA (200 nM, 72 hours), labeling uPA Receptor/U-PAR with ab221680 at 1/100 dilution followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green).
Confocal image showing membranous staining in U937 cells treated with TPA (200 nM, 72 hours).

The expression of uPA Receptor/U-PAR is induced in PMA-stimulated U937 cells (PMID:24999729).

The nuclear counterstain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (ab195889) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide (ab221680).

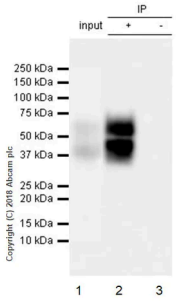


Flow Cytometry - Anti-uPA Receptor/U-PAR antibody [EPR22173-257] - BSA and Azide free (ab240825)

UPA Receptor/U-PAR Flow Cytometry staining using rabbit Anti-uPA Receptor/U-PAR antibody

Flow cytometric analysis of U937 (human histiocytic lymphoma cell line) cell line treated with 200 nM TPA for 72 hours (red) or Untreated control (green) labeling uPA Receptor/U-PAR with ab221680 at 1/500 dilution compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) at 1/2000 dilution was used as the secondary antibody.
The expression of uPA Receptor/U-PAR is induced in PMA-stimulated U937 cells (PMID:24999729)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab221680).



Immunoprecipitation - Anti-uPA Receptor/U-PAR antibody [EPR22173-257] - BSA and Azide free (ab240825)

uPA Receptor/U-PAR was immunoprecipitated from 0.35 mg of U937 (human histiocytic lymphoma cell line) treated with 200 nM TPA for 72 hours whole cell lysate with ab221680 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab221680 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/5000 dilution.
Lane 1: U937 treated with 200 nM TPA for 72 hours whole cell lysate 10 µg (Input).

Lane 2: ab221680 IP in U937 treated with 200 nM TPA for 72 hours whole cell lysate.

Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab221680 in U937 treated with 200 nM TPA for 72 hours whole cell lysate.

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: 30 seconds.

The expression of uPA Receptor/U-PAR is induced in PMA-stimulated U937 cells and the molecular weight is consistent with what has been described in the literature (PMID: 24999729).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab221680).

All lanes:
Immunoprecipitation - Anti-uPA Receptor/U-PAR antibody [EPR22173-257] (ab221680)

Predicted band size: 37 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.