abcam

ab221680

Anti-uPA Receptor/U-PAR antibody [EPR22173-257]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR22173-257
Purification technique	Affinity purification Protein A
Concentration	0.549 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/30
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	1/500
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/100
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	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

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.

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

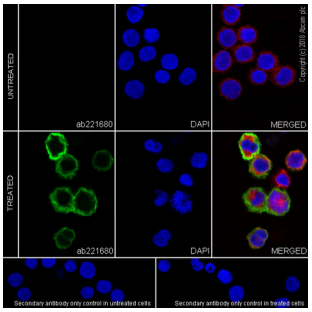
We do not recommend this combination. It is not covered by our product promise.

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] (ab221680)

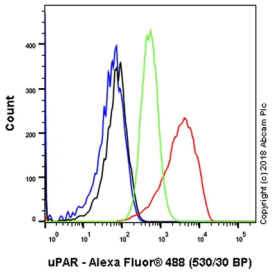
UPA Receptor/U-PAR Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-uPA Receptor/U-PAR antibody

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.

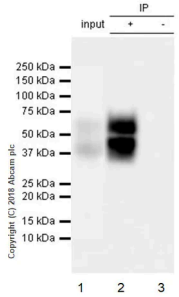
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution.



Flow Cytometry - Anti-uPA Receptor/U-PAR antibody [EPR22173-257] (ab221680)

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)



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

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).

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'.