abcam

ab255815

Anti-uPA Receptor/U-PAR antibody [EPR22814-273]

Recombinant | RabMAb

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	EPR22814-273
Purification technique	Affinity purification Protein A
Concentration	0.585 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Mouse
Dilution info	1/30
Notes	-

Not recommended

Species	Rat, Human
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Mouse
Dilution info	1/600
Notes	-

Not recommended

Species	Rat, Human
Dilution info	-
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Not recommended

Species	Rat, Human
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Target data

See full target information Plaur

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.

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

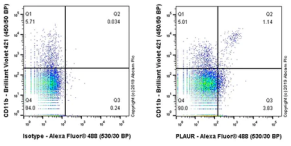
We do not recommend this combination. It is not covered by our product promise.

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.

4 product images



Flow Cytometry - Anti-uPA Receptor/U-PAR antibody [EPR22814-273] (ab255815)

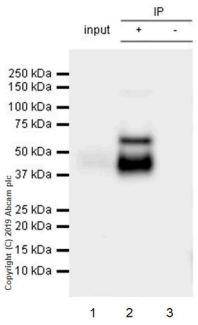
UPA Receptor/U-PAR Flow Cytometry staining using rabbit Anti-uPA Receptor/U-PAR antibody

Flow Cytometric analysis of mouse PBMC (Mouse primary peripheral blood mononuclear cell) treated with 100ng/ml LPS for 16h, labeling uPA Receptor/U-PAR using ab255815 at a 1/600 dilution. Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary at a 1/2000 dilution.

Cells were stained with rabbit IgG (Left) or ab255815 (Right). Then stained with anti-CD11b conjugated to Pacific blue.

Gated on viable cells.

Expression of uPAR on monocytes and granulocytes are observed in LPS-treated PBMC (PMID: 11447203).



Immunoprecipitation - Anti-uPA Receptor/U-PAR antibody [EPR22814-273] (ab255815)

uPA Receptor/U-PAR was immunoprecipitated from 0.35 mg LLC1 (mouse lung carcinoma) whole cell lysate 10µg with ab255815 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab255815 at a 1/1000 dilution (0.59 µg/ml). VeriBlot for IP Detection Reagent (HRP) (ab131366) was used at a 1/5000 dilution.
Lane 1: LLC1 (mouse lung carcinoma) whole cell lysate 10µg.

Lane 2: ab255815 IP in LLC1 whole cell lysate.

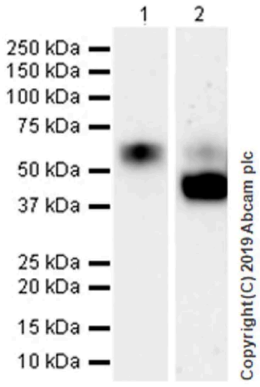
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab255815 in LLC1 whole cell lysate.

Blocking/Dilution buffer : 5% NFDM/TBST.

Exposure time: 3 seconds.

All lanes:
Immunoprecipitation - Anti-uPA Receptor/U-PAR antibody [EPR22814-273] (ab255815)

Predicted band size: 37 kDa



Western blot - Anti-uPA Receptor/U-PAR antibody [EPR22814-273] (ab255815)

UPA Receptor/U-PAR Western blot staining using rabbit Anti-uPA Receptor/U-PAR antibody

uPAR is a glycoprotein. Full-length GPI-anchored uPAR (60kDa) and truncated soluble uPAR (45kDa) are observed. The molecular weight observed is consistent with what has been described in the literature (PMID: 19667118, PMID 24999729, PMID: 11535128).
Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1: 81 secs; Lane 2: 158 secs.

All lanes:
Western blot - Anti-uPA Receptor/U-PAR antibody [EPR22814-273] (ab255815) at 1/1000 dilution

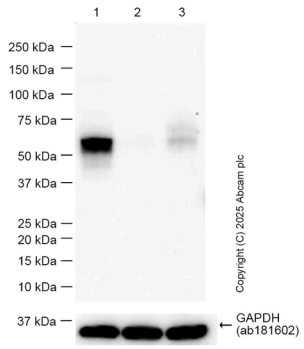
Lane 1:
Mouse lung tissue lysate at 20 µg

Lane 2:
LLC1 (mouse lung carcinoma) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 37 kDa



Western blot - Anti-uPA Receptor/U-PAR antibody [EPR22814-273] (ab255815)

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Low expression tissue: kidney and spleen.

All lanes:
Western blot - Anti-uPA Receptor/U-PAR antibody [EPR22814-273] (ab255815) at 1/1000 dilution

Lane 1:
Mouse lung tissue lysate at 20 µg

Lane 2:
Mouse kidney tissue lysate at 20 µg

Lane 3:
Mouse spleen tissue lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 37 kDa

Observed band size: 65 kDa, 37 kDa

Exposure time: 180s

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