

Anti-uPA Receptor/PLAUR Antibody

Catalog Number: PA1344

About PLAUR

PLAUR (PLASMINOGEN ACTIVATOR RECEPTOR, UROKINASE-TYPE), also known as UPAR or CD87, is multidomain glycoprotein tethered to the cell membrane with a glycosylphosphatidylinositol (GPI) anchor. PLAUR consists of three different domains of the Ly-6/uPAR/alpha-neurotoxin family. PLAUR is originally identified as a saturable binding site for urokinase on the cell surface. And the gene plays an important role in many normal as well as pathologic processes. The PLAUR gene is localized to 19q13.31. PLAUR is a part of the plasminogen activation system, which in the healthy body is involved in tissue reorganization events such as mammary gland involution and wound healing. PLAUR binds urokinase and thus restricts plasminogen activation to the immediate vicinity of the cell membrane. Thus it seems to be an important player in the regulation of this process. In human coronary artery vascular smooth muscle cells, UPA stimulates cell migration via a UPAR signaling complex containing TYK2 and phosphatidylinositol 3-kinase.

Overview

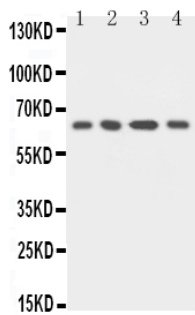
Product Name	Anti-uPA Receptor/PLAUR Antibody
Reactive Species	Human
Description	Boster Bio Anti-uPA Receptor/PLAUR Antibody catalog # PA1344. Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q03405

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human uPA Receptor (293-304aa CNHPDLDVQYRS).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

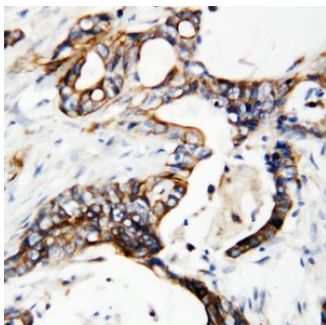
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 μ g/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used Immunohistochemistry (Paraffin-embedded Section), 0.5-1 μg/ml, Human, By Heat Western blot, 0.1-0.5 μg/ml, Human</p> <p>For protocols, please visit https://www.bosterbio.com/protocol-and-troubleshooting/</p>

Anti-uPA Receptor/PLAUR Antibody (PA1344) Images



Anti-uPA Receptor antibody, PA1344, Western blotting

Lane 1: MCF-7 Cell Lysate
 Lane 2: HELA Cell Lysate
 Lane 3: RAJI Cell Lysate
 Lane 4: SMMC Cell Lysate



Anti-uPA Receptor antibody, PA1344, IHC(P)
 IHC(P): Human Mammary Cancer Tissue

1 Publications Citing This Product

1. PubMed ID: 10.1021/acs.jafc.8b02351, Apigenin Suppresses the IL-1 β -Induced Expression of the Urokinase-Type Plasminogen Activator Receptor by Inhibiting MAPK-Mediated AP-1 and NF- κ B Signaling in Human Bladder Cancer T24 Cells

Visit [bosterbio.com/anti-upa-receptor-antibody-pa1344-boster.html](https://www.bosterbio.com/anti-upa-receptor-antibody-pa1344-boster.html) to see all 1 publications.

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