

PLAU antibody

Catalog No: #38394



Package Size: #38394-1 50ul #38394-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

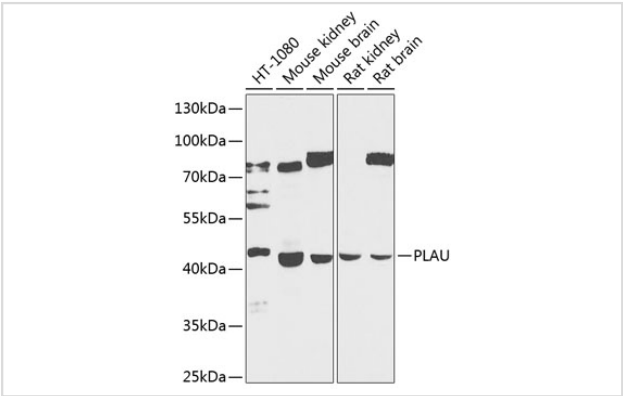
Description

| | |
|-----------------------|---|
| Product Name | PLAU antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were purified by affinity purification using immunogen. |
| Applications | WB |
| Species Reactivity | Human,Mouse,Rat |
| Specificity | The antibody detects endogenous level of total PLAU protein. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Recombinant protein of human PLAU. |
| Target Name | PLAU |
| Other Names | ATF; UPA; URK; u-PA; |
| Accession No. | Swiss-Prot#: P00749NCBI Gene ID: 5328 |
| Uniprot | P00749 |
| GeneID | 5328; |
| SDS-PAGE MW | 49kd |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

Application Details

WB 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using PLAU at 1:1000 dilution.

Background

The human urokinase-type plasminogen activator receptor (uPAR) is a 55-65 kDa, highly glycosylated, GPI-anchored cell surface receptor (the deglycosylated protein is 35 kDa) (1-3). It is a central player in the plasminogen activation pathway. uPAR binds with high affinity to a serine protease urokinase-type plasminogen activator (uPA) and converts plasminogen to its active form plasmin in a spatially restricted manner on the cell surface (4). Plasmin further carries out the activation of uPA, which is inhibited by serpins, such as plasminogen activator inhibitors (5). Therefore, uPAR plays a key role in regulating extracellular proteolysis. In addition, uPAR plays an important role in regulating cell proliferation, adhesion, and mobility (6,7). Research studies have shown that overexpression of uPAR is found in various cancer cells and tissues (8,9).

Note: This product is for in vitro research use only