



Product Information Sheet

Polyclonal Anti- Urokinase plasminogen activator surface receptor, **PLAUR/uPAR**

Catalogue No. PA1344

Lot No. 0131012024499

Ig type rabbit IgG

Size 100µg/vial

Specificity

Human, rat

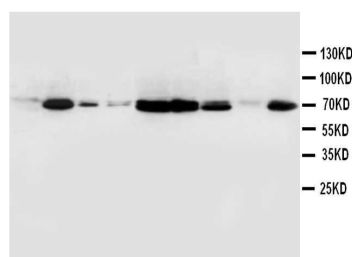
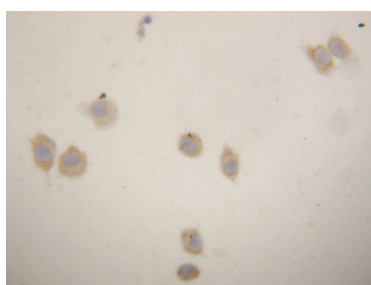
No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

Immunocytochemistry



Lane 1 : Human placenta tissue Lysate
Lane 2 : Rat brain tissue Lysate
Lane 3 : Rat Thymus tissue Lysate
Lane 4 : Rat Heart tissue Lysate
Lane 5 : MCF-7 Whole Cell Lysate
Lane 6 : SMMC Whole Cell Lysate
Lane 7 : HeLa Whole Cell Lysate
Lane 8 : Raji Whole Cell Lysate
Lane 9 : Colo320 Whole Cell Lysate

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of Human PLAUR (290-304 aa), identical to the related mouse and rat sequence.

Purity

Immunogen affinity purified.

Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, Rat	Ms	-
IHC-P	1µg/ml	Hu	-	By heat
IHC-F	-	-	-	-
ICC	1µg/ml	Hu	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

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FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

BACKGROUND

The Urokinase plasminogen activator surface receptor, also known as uPA receptor or uPAR or PLAUR, is multidomain glycoprotein tethered to the cell membrane with a glycosylphosphatidylinositol (GPI) anchor. uPAR was originally identified as a saturable binding site for urokinase on the cell surface. The gene for the human urokinase receptor (PLAUR) is localized on chromosome 19. RBG-banding permitted subchromosomal localization of the PLAUR gene to 19q13.¹ The urokinase-type plasminogen activator receptor (u-PAR) plays a central role in cell migration, growth, and invasion and is regulated, in part, transcriptionally. In mice, u-PAR expression is restricted to a few tissues, one of which is the colon.²

REFERENCE

- 1、Vagnarelli, P., Raimondi, E., Mazzeri, R., De Carli, L., Mignatti, P. Assignment of the human urokinase receptor gene (PLAUR) to 19q13. *Cytogenet. Cell Genet.* 60: 197-199, 1992.
- 2、Wang, H., Yang, L., Jamaluddin, M. S., Boyd, D. D. The Kruppel-like KLF4 transcription factor, a novel regulator of urokinase receptor expression, drives synthesis of this binding site in colonic crypt luminal surface epithelial cells. *J. Biol. Chem.* 279: 22674-22683, 2004.