10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# PLAUR Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20579c

## Product Information

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| **Application** | WB, IHC-P, E |
| **Primary Accession** | Q03405 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB48625 |
| **Calculated MW** | 36978 |

## Additional Information

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| **Gene ID** | 5329 |
| **Other Names** | Urokinase plasminogen activator surface receptor, U-PAR, uPAR, Monocyte activation antigen Mo3, CD87, PLAUR, MO3, UPAR |
| **Target/Specificity** | This PLAUR antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 273-305 amino acids from the C-terminal region of human PLAUR. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | PLAUR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | PLAUR ( HGNC:9053) |
| **Synonyms** | MO3, UPAR |
| **Function** | GPI-anchored receptor that recruits and activates the urokinase-type plasminogen activator (uPA) at the cell surface. Activated uPA converts plasminogen into plasmin, initiating extracellular matrix degradation and |

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| | remodeling (PubMed:1689240, PubMed:15677461). Also binds the extracellular matrix protein vitronectin, promoting cell-matrix adhesion and indirectly integrin signaling (PubMed:17548516, PubMed:25168639, PubMed:28849762). This dual interaction coordinates dynamic changes in cell migration, proliferation, and tissue remodeling (PubMed:28849762). |
| **Cellular Location** | [Isoform 1]: Cell membrane; Lipid-anchor, GPI-anchor. Cell projection, invadopodium membrane; Lipid-anchor, GPI-anchor. Note=Colocalized with FAP (seprase) preferentially at the cell surface of invadopodia membrane in a cytoskeleton-, integrin- and vitronectin-dependent manner |
| **Tissue Location** | Expressed in neurons of the rolandic area of the brain (at protein level). Expressed in the brain |

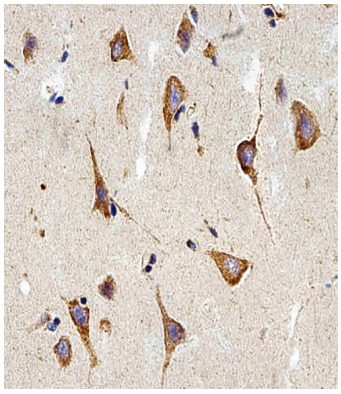
## Background

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. It is subject to negative-feedback regulation by U-PA which cleaves it into an inactive form.

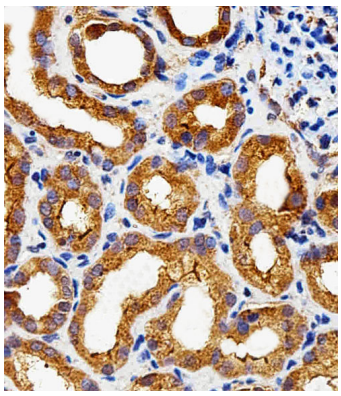
## References


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Bayraktutan U.,et al.Biochem. Soc. Trans. 21:395-395(1993).
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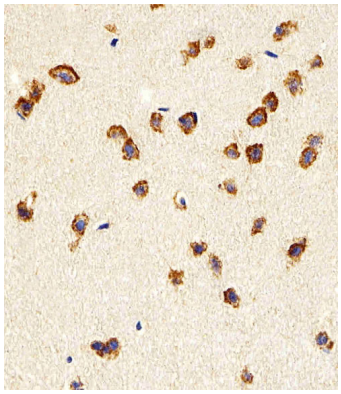

## Images



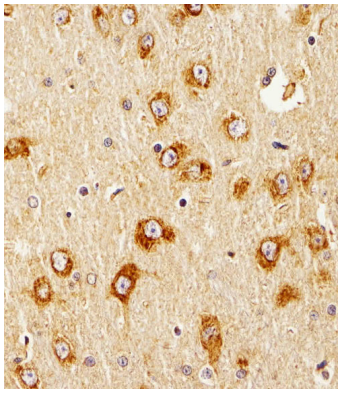
Immunohistochemical analysis of paraffin-embedded H. brain section using PLAUR Antibody (C-term)(Cat#AP20579c). AP20579c was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



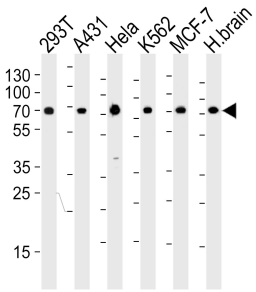
Immunohistochemical analysis of paraffin-embedded H. kidney section using PLAUR Antibody (C-term)(Cat#AP20579c). AP20579c was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded M. brain section using PLAUR Antibody (C-term)(Cat#AP20579c). AP20579c was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded R. brain section using PLAUR Antibody (C-term)(Cat#AP20579c). AP20579c was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.




Western blot analysis of lysates from 293T, A431, Hela, K562, MCF-7 cell line and human brain tissue lysate (from left to right), using PLAUR Antibody (C-term) (Cat. # AP20579c). AP20579c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

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