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PLAUR Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5128

Product Information

Application	WB, IHC-P
Primary Accession	Q03405
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36978
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	5329
Antigen Region	273-305
Other Names	Urokinase plasminogen activator surface receptor, U-PAR, uPAR, Monocyte activation antigen Mo3, CD87, PLAUR, MO3, UPAR
Dilution	WB~~1:1000 IHC-P~~1:100~500
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.
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

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 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

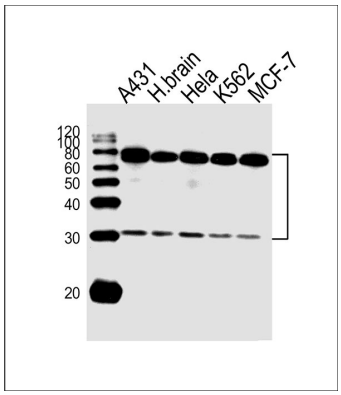
Background

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.

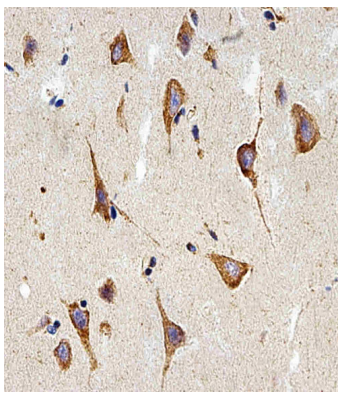
References

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Min H.Y.,et al.J. Immunol. 148:3636-3642(1992).
Bayraktutan U.,et al.Biochem. Soc. Trans. 21:395-395(1993).
Pyke C.,et al.FEBS Lett. 326:69-74(1993).
Casey J.R.,et al.Blood 84:1151-1156(1994).

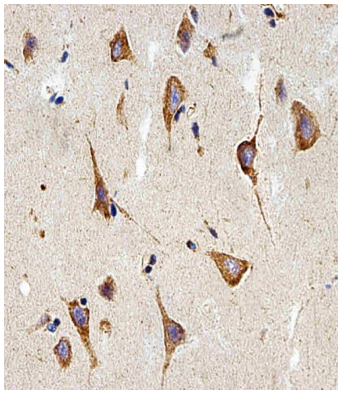
Images



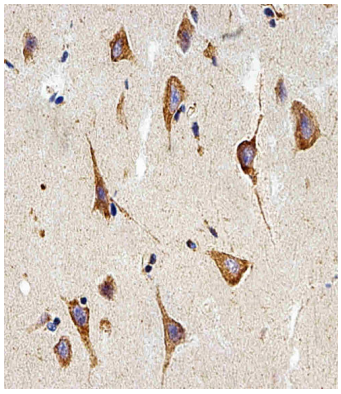
Western blot analysis of lysates from A431 cell line,human brain tissue,Hela,K562,MCF-7 cell line (from left to right), using PLAUR Antibody (C-term)(Cat. #AW5128). AW5128 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



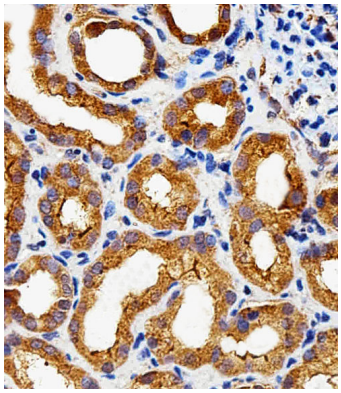
Immunohistochemical analysis of paraffin-embedded H. brain section using PLAUR Antibody (C-term)(Cat#AW5128). AW5128 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



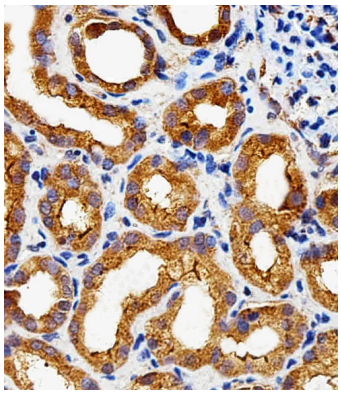
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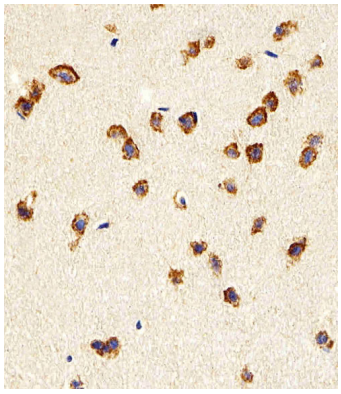


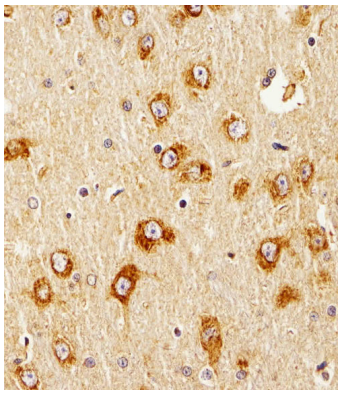
Immunohistochemical analysis of paraffin-embedded H. kidney section using PLAUR Antibody (C-term)(Cat#AW5128). AW5128 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H. kidney section using PLAUR Antibody (C-term)(Cat#AW5128). AW5128 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#AW5128). AW5128 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#AW5128). AW5128 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.

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