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PLAUR Rabbit pAb

Catalog # AP98997

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q03405
Other Accession	Q03405
Reactivity	Rat, Mouse
Predicted	Human, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36978
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PLAUR
Epitope Specificity	201-300/335
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 3 UPAR/Ly6 domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes the receptor for urokinase plasminogen activator and, given its role in localizing and promoting plasmin formation, likely influences many normal and pathological processes related to cell-surface plasminogen activation and localized degradation of the extracellular matrix. It binds both the proprotein and mature forms of urokinase plasminogen activator and permits the activation of the receptor-bound pro-enzyme by plasmin. The protein lacks transmembrane or cytoplasmic domains and may be anchored to the plasma membrane by a glycosyl-phosphatidylinositol(GPI) moiety following cleavage of the nascent polypeptide near its carboxy-terminus. However, a soluble protein is also produced in some cell types. Alternative splicing results in multiple transcript variants encoding different isoforms. The proprotein experiences several post-translational cleavage reactions that have not yet been fully defined. [provided by RefSeq].

Additional Information

Gene ID	5329
Other Names	CD87; U-PAR; UPAR; URKR; Par; Plaur3; uPAR-2; uPAR-3; UPAR_HUMAN; PLAUR; Monocyte activation antigen Mo3; MO3; UPAR_MOUSE; UPAR_RAT; plasminogen activator, urokinase receptor; urokinase-type plasminogen activator (uPA) receptor; urokinase plasminogen activator surface receptor
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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