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Mouse Plau Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20302b

Product Information

Application	WB, E
Primary Accession	P06869
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40285
Calculated MW	48268
Antigen Region	304-331

Additional Information

Gene ID	18792
Other Names	Urokinase-type plasminogen activator, U-plasminogen activator, uPA, Urokinase-type plasminogen activator long chain A, Urokinase-type plasminogen activator short chain A, Urokinase-type plasminogen activator chain B, Plau
Target/Specificity	This Mouse Plau antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 304-331 amino acids from the C-terminal region of mouse Plau.
Dilution	WB~~1:1000 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	Mouse Plau Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Plau {ECO:0000312|MGI:MGI:97611}
Function	Serine protease that cleaves the inactive precursor plasminogen at a specific Arg-Val peptide bond, converting it into active plasmin

(PubMed:28611361, PubMed:30707839). Secreted as an inactive zymogen, it is recruited and activated at the cell surface through interaction with the urokinase plasminogen activator receptor (uPAR). Cell-surface activation enables localized, plasmin-dependent pericellular proteolysis, regulating extracellular matrix degradation in cell migration and tissue remodeling (By similarity). Also contributes to fibrinolysis and blood clot clearance by promoting plasmin generation (PubMed:8650190).

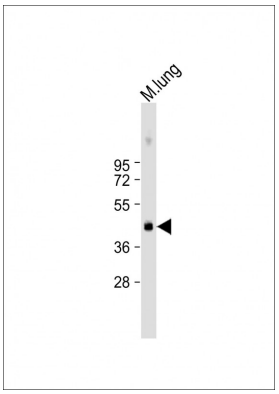
Cellular Location

Secreted {ECO:0000250|UniProtKB:P00749}. Note=Secreted as an inactive zymogen, it is activated through specific proteolytic cleavage. {ECO:0000250|UniProtKB:P00749}

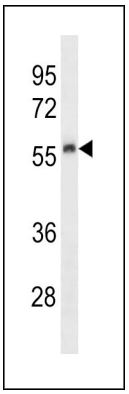
Background

Specifically cleave the zymogen plasminogen to form the active enzyme plasmin.

Images



Anti-Mouse Plau Antibody (C-term) at 1:1000 dilution + mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Mouse Plau Antibody (C-term) (Cat. #AP20302b) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the Mouse Plau antibody detected the Mouse Plau protein (arrow).

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