

Plasminogen (5V16) Rabbit Monoclonal Antibody

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Catalog # AP93818

Product Information

Application	WB, IP
Primary Accession	P20918
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	90808

Additional Information

Gene ID	18815
Other Names	Plasminogen, 3.4.21.7, Plasmin heavy chain A, Activation peptide, Angiostatin, Plasmin heavy chain A, short form, Plasmin light chain B, Plg
Dilution	WB~~1:1000 IP~~N/A
Storage Conditions	-20°C

Protein Information

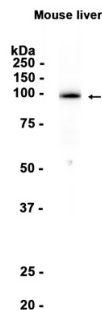
Name	Plg {ECO:0000312 MGI:MGI:97620}
Function	[Plasmin]: Protease which primary function is to degrade fibrin, the main component of blood clots. Also cleaves other components of blood clots like thrombospondin-1/THBS1 and von Willebrand factor/VWF. Can also directly and/or through the activation of other proteases degrade the various components of the extracellular matrix including collagen, fibronectin and laminin. Thereby, regulates a variety of biological processes including embryonic development, tissue remodeling, and inflammation (By similarity). In ovulation, weakens the walls of the Graafian follicle (By similarity). In vitro, it is also able to cleave several complement zymogens, such as C1, C4 and C5 (By similarity).
Cellular Location	[Plasmin]: Secreted {ECO:0000250 UniProtKB:P00747}. Note=Locates to the cell surface where it is proteolytically cleaved to produce the active plasmin Interaction with HRG tethers it to the cell surface {ECO:0000250 UniProtKB:P00747}

Background

Plasmin dissolves the fibrin of blood clots and acts as a proteolytic factor in a variety of other processes

including embryonic development, tissue remodeling, tumor invasion, and inflammation. In ovulation, weakens the walls of the Graafian follicle. It activates the urokinase-type plasminogen activator, collagenases and several complement zymogens, such as C1 and C5. Cleavage of fibronectin and laminin leads to cell detachment and apoptosis. Also cleaves fibrin, thrombospondin and von Willebrand factor. Its role in tissue remodeling and tumor invasion may be modulated by CSPG4. Binds to cells (By similarity).

Images



Western blot analysis of extracts from Mouse liver tissue using AP93818 at 1:1000.

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