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Urokinase Antibody

Rabbit mAb
Catalog # AP91163

Product Information

Application	WB, IHC
Primary Accession	P00749
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Urokinase-type plasminogen activator; U-plasminogen activator; Upa; PLAU; ATF uPA;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	48523

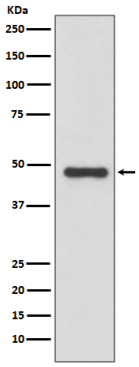
Additional Information

Dilution	WB 1:500~1:1000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Urokinase
Description	Specifically cleave the zymogen plasminogen to form the active enzyme plasmin.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	PLAU (HGNC:9052)
Function	Serine protease that cleaves the inactive precursor plasminogen at a specific Arg-Val peptide bond, converting it into active plasmin (PubMed:1969415, PubMed:2521625, PubMed:4270330). 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 (PubMed:1829461, PubMed:2521625, PubMed:28849762). Also contributes to fibrinolysis and blood clot clearance by promoting plasmin generation (By similarity).
Cellular Location	Secreted. Note=Secreted as an inactive zymogen, it is activated through specific proteolytic cleavage.
Tissue Location	Expressed in the prostate gland and prostate cancers.

Images



Western blot analysis of Urokinase expression in LnCaP cell lysate.

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