

Anti-Urokinase Rabbit Monoclonal Antibody

Catalog # ABO14004

Product Information

Application	WB, IHC
Primary Accession	P00749
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Urokinase Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

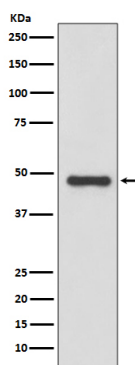
Additional Information

Gene ID	5328
Other Names	Urokinase-type plasminogen activator, U-plasminogen activator, uPA, 3.4.21.73, Urokinase-type plasminogen activator long chain A, Urokinase-type plasminogen activator short chain A, Urokinase-type plasminogen activator chain B, PLAU (HGNC:9052)
Calculated MW	48523
Application Details	WB 1:500-1:1000 IHC 1:50-1:200
Subcellular Localization	Secreted.
Tissue Specificity	Expressed in the prostate gland and prostate cancers..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AABC-16
Immunogen	A synthesized peptide derived from human Urokinase
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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.

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