

Basic Information

Product Name	Anti-uPA/Urokinase/PLAU Antibody
Gene Name	PLAU
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human PLAU recombinant protein (Position: I179-L431).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	49 kDa
Dilution Ratios	Western blot (WB):1:500-2000 ELISA: 1:100-1000

Storage

12 months from date of receipt, -20°C as supplied.

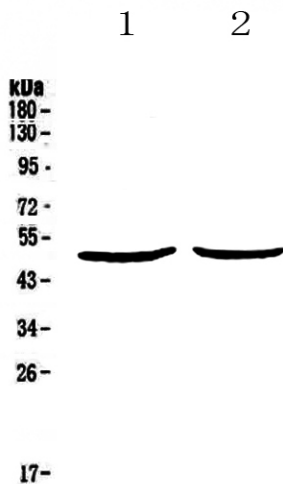
Background Information

Urokinase, also known as urokinase-type plasminogen activator (uPA), is a serine protease present in humans and other animals. This gene encodes a secreted serine protease that converts plasminogen to plasmin. The encoded preproprotein is proteolytically processed to generate A and B polypeptide chains. These chains associate via a single disulfide bond to form the catalytically inactive high molecular weight urokinase-type plasminogen activator (HMW-uPA). HMW-uPA can be further processed into the catalytically active low molecular weight urokinase-type plasminogen activator (LMW-uPA). This low molecular weight form does not bind to the urokinase-type plasminogen activator receptor. Mutations in this gene may be associated with Quebec platelet disorder and late-onset Alzheimer's disease. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.

Reference

Anti-uPA/Urokinase/PLAU Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of uPA/Urokinase/PLAU using anti-uPA/Urokinase/PLAU antibody (A04352-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat pancreas tissue lysates, Lane 2: mouse pancreas tissue lysates. After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-uPA/Urokinase/PLAU antigen affinity purified polyclonal antibody (A04352-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for uPA/Urokinase/PLAU at approximately 49 kDa. The expected band size for uPA/Urokinase/PLAU is at 49 kDa.