



Rabbit Anti-Urokinase antibody

SL1098R

Product Name:	Urokinase
Chinese Name:	尿激酶型纤溶酶原激活因子抗体
Alias:	Urokinase; ATF; ATF uPA; PLAU; UPA; Plasminogen activator; Plasminogen activator urinary; Plasminogen activator urokinase; u PA; U plasminogen activator; UPA; URK; Urokinase plasminogen activator; Urokinase type plasminogen activator; Urokinase type plasminogen activator precursor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PLAU:361-432/432
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Urokinase is a serine protease involved in degradation of the extracellular matrix and possibly tumor cell migration and proliferation. A specific polymorphism in the Urokinase gene may be associated with late onset Alzheimer disease and also with decreased affinity for fibrin binding. This protein converts plasminogen to plasmin by

specific cleavage of an Arg Val bond in plasminogen. The proprotein is cleaved at a Lys Ile bond by plasmin to form a two chain derivative in which a single disulfide bond connects the amino terminal A chain to the catalytically active, carboxy terminal B chain. This two chain derivative is also called HMW uPA (high molecular weight uPA). HMW uPA can be further processed into LMW uPA (low molecular weight uPA) by cleavage of chain A into a short chain A (A1) and an amino terminal fragment. LMW uPA is proteolytically active but does not bind to the uPA receptor.

Function:

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

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed in the prostate gland and prostate cancers.

Post-translational modifications:

Phosphorylation of Ser-158 and Ser-323 abolishes proadhesive ability but does not interfere with receptor binding.

Similarity:

Belongs to the peptidase S1 family.

Contains 1 EGF-like domain.

Contains 1 kringle domain.

Contains 1 peptidase S1 domain.

SWISS:

P00749

Gene ID:

5328

Database links:

[Entrez Gene: 5328](#) Human

[Entrez Gene: 18792](#) Mouse

[Entrez Gene: 25619](#) Rat

[Omim: 191840](#) Human

[SwissProt: P00749](#) Human

[SwissProt: P06869](#) Mouse

[SwissProt: P29598](#) Rat

[Unigene: 77274](#) Human

[Unigene: 4183](#) Mouse

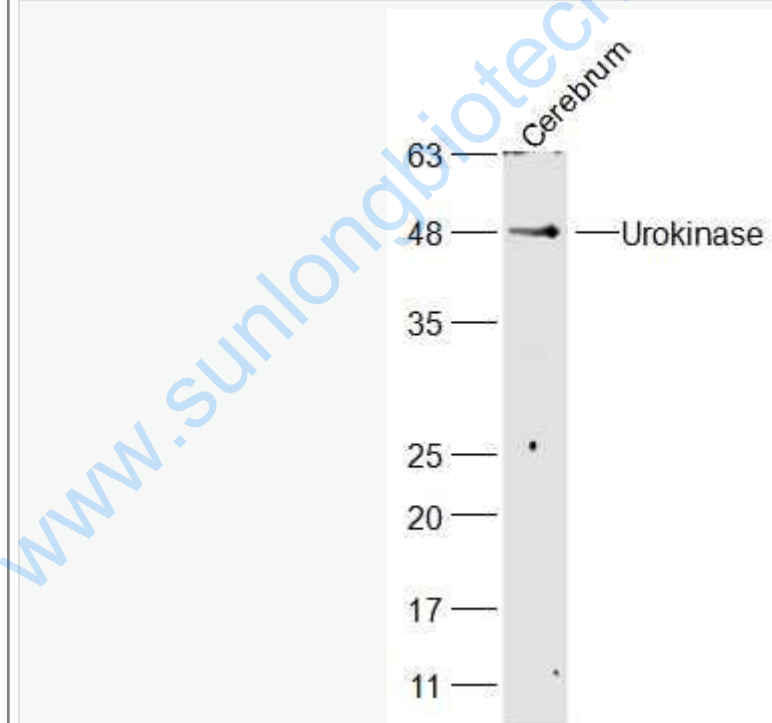
[Unigene: 6064](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

尿激酶型纤溶酶激活因子;是一种多效cell factor, 参与多种病理生理过程;uPA系统可通过调节纤溶酶的活性降解p淀粉样蛋白;是一种丝氨酸蛋白酶, 将血浆酶原转化成血浆酶(纤维蛋白溶酶)。

Picture:



Sample:

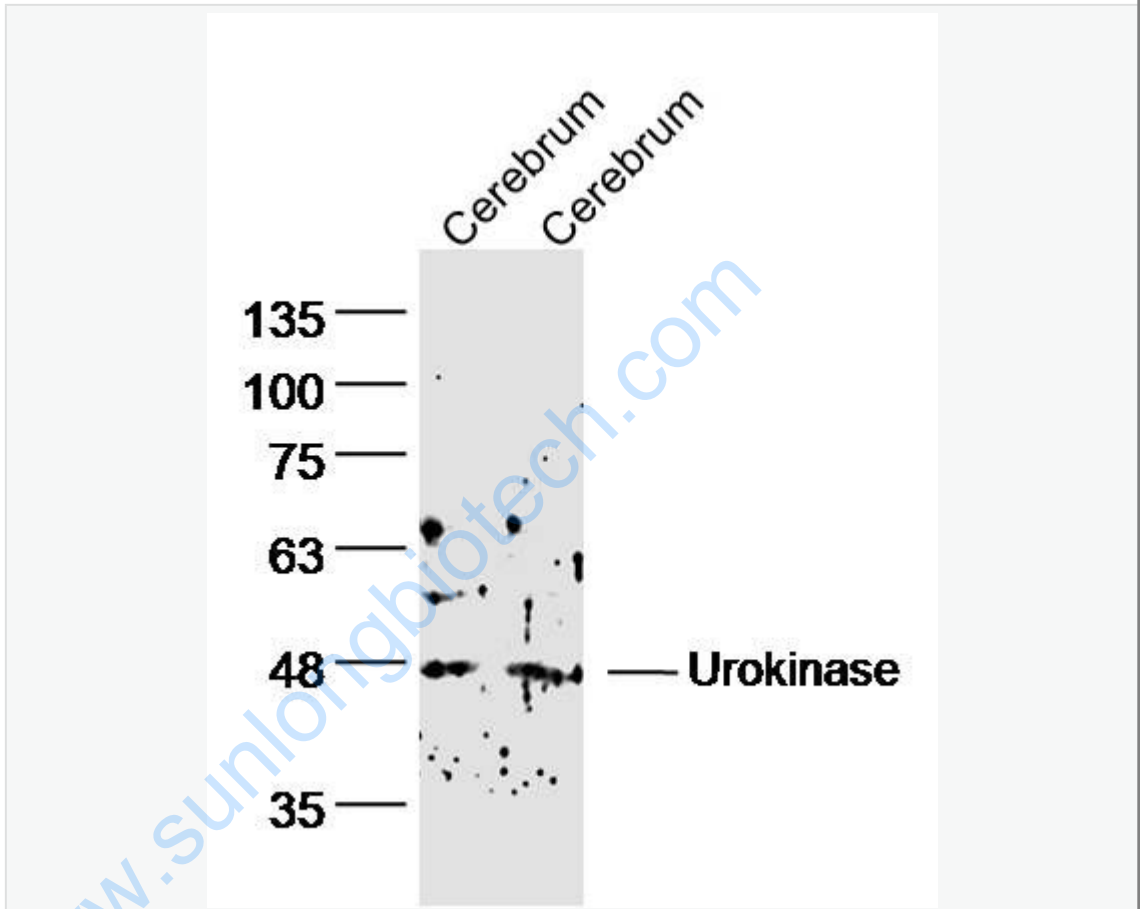
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-Urokinase (SL1098R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49 kD

Observed band size: 49 kD



Sample:

Cerebrum (mouse) Lysate at 40 ug

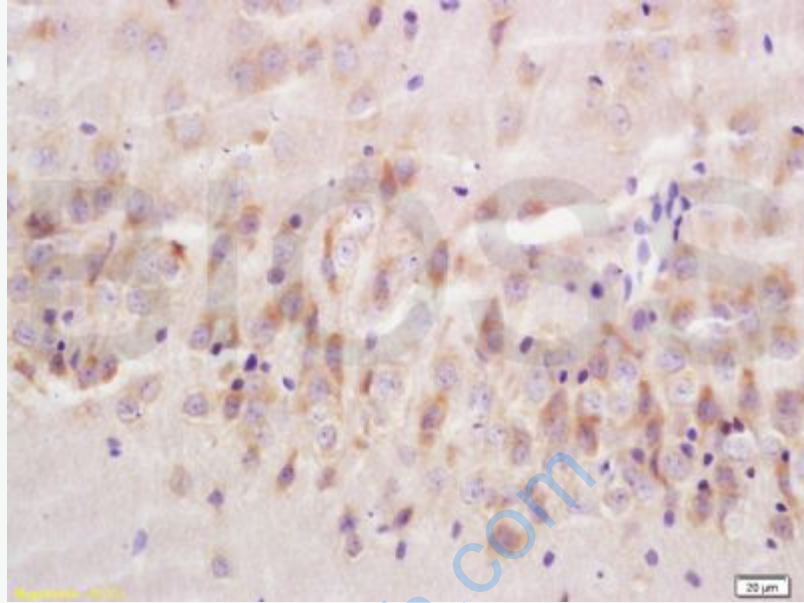
Cerebrum (Rat) Lysate at 40 ug

Primary: Anti-Urokinase (SL1098R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49kD

Observed band size: 48kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-PLAU/UPA/Urokinase Polyclonal Antibody, Unconjugated(SL1098R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining