bs-1098R **[Primary Antibody]**

Urokinase Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5328 **SWISS:** P00749

Target: Urokinase

Immunogen: KLH conjugated synthetic peptide derived from human PLAU: 361-432/432.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

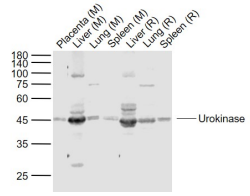
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse, Rat
(predicted: Human)

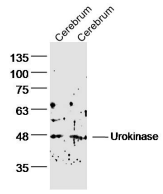
Predicted MW.: 49 kDa

Subcellular Location: Secreted

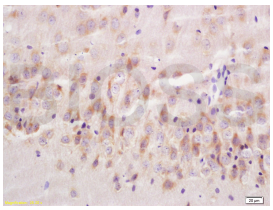
VALIDATION IMAGES



Sample: Lane 1: Placenta (Mouse) Lysate at 40 ug Lane 2: Liver (Mouse) Lysate at 40 ug Lane 3: Lung (Mouse) Lysate at 40 ug Lane 4: Spleen (Mouse) Lysate at 40 ug Lane 5: Liver (Rat) Lysate at 40 ug Lane 6: Lung (Rat) Lysate at 40 ug Lane 7: Spleen (Rat) Lysate at 40 ug Primary: Anti-Urokinase (bs-1098R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40-80 kD Observed band size: 45 kD



Sample: Cerebrum (mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug Primary: Anti-Urokinase (bs-1098R)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(bs-1098R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=5.123]** Liu XP et al. A Label-free Photoelectrochemical Biosensor for Urokinase-type Plasminogen Activator Detection Based on a gC 3 N 4/CdS Nanocomposite.Analytica Chimica Acta.1025;99-107. Other ;. 10.1016/j.aca.2018.04.051

- **[IF=1.7]** Wen-Qi Zhang. et al. Regulation of Fuzheng Huayu capsule on inhibiting the fibrosis-associated hepatocellular carcinogenesis. J ASIAN NAT PROD RES. 2024 五月 23 IHC ;Human. 38780602