

DESCRIPTION

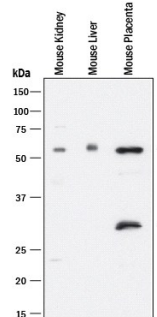
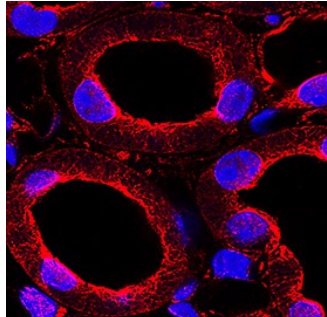
Species Reactivity	Mouse
Specificity	Detects mouse uPA in direct ELISAs and Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 901420
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse uPA Met1-Phe433 Accession # P06869
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Immunohistochemistry	5-25 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of u-Plasminogen Activator (uPA)/Urokinase by Western Blot. Western blot shows lysates of mouse kidney tissue, mouse liver tissue, and mouse placenta tissue. PVDF membrane was probed with 1 µg/mL of Rat Anti-Mouse u-Plasminogen Activator (uPA)/Urokinase Monoclonal Antibody (Catalog # MAB9185) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for u-Plasminogen Activator (uPA)/Urokinase at approximately 54 and 30 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Immunohistochemistry</p>  <p>u-Plasminogen Activator (uPA)/Urokinase in Mouse Kidney. u-Plasminogen Activator (uPA)/Urokinase was detected in perfusion fixed frozen sections of mouse kidney using Rat Anti-Mouse u-Plasminogen Activator (uPA)/Urokinase Monoclonal Antibody (Catalog # MAB9185) at 25 µg/mL overnight at 4 °C. Tissue was stained using the NorthernLights™ 557-conjugated Anti-Rat IgG Secondary Antibody (red; Catalog # NL013) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm in convoluted tubules. View our protocol for Chromogenic IHC Staining of Frozen Tissue Sections.</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Urokinase-type plasminogen activator (uPA) is a 378 amino acid enzyme which cleaves the zymogen plasminogen to form the active enzyme plasmin. uPa occurs in high and low molecular mass forms each consisting of two chains (A and B). The high mass form has a long A chain while the low mass form has a short chain AuPA is widely expressed in normal tissues including epithelia, muscle, reproductive organs and brain, and is highly expressed in kidney, where it localizes to proximal and distal tubules and is secreted into urine. uPA is known to play a role in wound healing and tissue remodeling and tumor invasion

PRODUCT SPECIFIC NOTICES

Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.