

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat α_{2u} -Globulin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 129736
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Rat urine-derived α_{2u} -Globulin
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

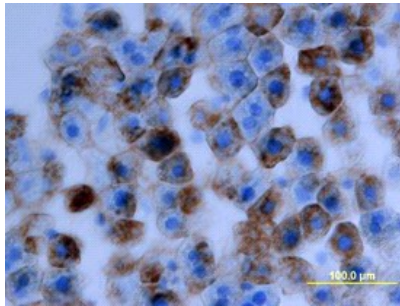
APPLICATIONS

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 μ g/mL	Rat α_{2u} -Globulin
Immunohistochemistry	8-25 μ g/mL	See Below

DATA

Immunohistochemistry



α_{2u} -Globulin in Rat Liver. α_{2u} -Globulin was detected in perfusion fixed frozen sections of rat liver using Mouse Anti-Rat α_{2u} -Globulin Biotinylated Monoclonal Antibody (Catalog # BAM586) at 25 μ g/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counter-stained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

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.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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

α_{2u} -Globulin, also known as PGCL1, is a member of the Lipocalin family that show 87-98% amino acid sequence identity. α_{2u} -Globulin is the major urinary protein excreted by adult male rat. It is expressed at highest levels in male liver and coagulate glands.