

Rat Anti-glucoprotein 210 antibody (GP210-Ab) ELISA Kit



Catalog No: #EK11843

Orders: order@signalwayantibody.com

Package Size: #EK11843-1 48T #EK11843-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Rat Anti-glucoprotein 210 antibody (GP210-Ab) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Competitive ELISA
Test principle:This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to GP210-Ab. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated GP210-Ab and incubated. The competitive inhibition reaction is launched between with HRP labeled GP210-Ab and unlabeled GP210-Ab with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of GP210-Ab in the sample. The color development is stopped and the intensity of the color is measured.
Product Overview:Nuclear pore glycoprotein-210 (gp210) is an essential trafficking regulator in the eukaryotic nuclear pore complex. Gp-210 anchors the pore complex to the nuclear membrane. and protein tagging reveals its primarily located on the luminal side of double layer membrane at the pore. A single polypeptide motif of gp210 is responsible for sorting to nuclear membrane, and indicate the carboxyl tail of the protein is oriented toward the cytoplasmic side of the membrane.The deduced protein contains 1,886 amino acids. Northern blot analysis detected a 7.5-kb transcript. In situ hybridization detected preferential expression in epithelial cells. In kidney, expression was seen in both the epithelium derived from the ureteric tree and the mesenchyme-derived epithelium.

Note: This product is for in vitro research use only