Rat Nuclear envelope pore membrane protein POM 121 (POM121) ELISA Kit

Catalog No: #EK11437

Package Size: #EK11437-1 48T #EK11437-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Rat Nuclear envelope pore membrane protein POM 121 (POM121) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	DKFZp586G1822; DKFZp586P2220; FLJ41820; KIAA0618; MGC3792; POM121A; OTTHUMP00000160224|P145|nuclear envelope pore membrane protein POM 121|nuclear pore membrane protein 121|nuclear pore membrane pro
Accession No.	P52591
Uniprot	P52591
GeneID	113975;
Storage	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. 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).

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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate POM121 in samples. An antibody specific for POM121 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPOM121 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for POM121 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of POM121 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The nuclear envelope creates distinct nuclear and cytoplasmic compartments in eukaryotic cells. It consists of two concentric membranes perforated by nuclear pores, large protein complexes that form aqueous channels to regulate the flow of macromolecules between the nucleus and the cytoplasm.

POM121 encodes a member of the FG-repeat-containing nucleoporins. The protein encoded by this gene is an integral membrane protein that localizes to the central spoke ring complex and participates in anchoring the nuclear pore complex to the nuclear envelope. Alternatively spliced

variants that encode different protein isoforms have been described but the full-length nature of only one has been determined.

Note: This product is for in vitro research use only