

Human Epididymal-specific lipocalin-6 (LCN6) ELISA Kit



Catalog No: #EK11534

Orders: order@signalwayantibody.com

Package Size: #EK11534-1 48T #EK11534-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Epididymal-specific lipocalin-6 (LCN6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-216L13.2; LCN5; UNQ643; hLcn5; epididymal-specific lipocalin LCN6 lipocalin 5
Accession No.	P62502
Uniprot	P62502
GeneID	158062;
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:0.312-20 ng/mL

Sensitivity:0.137 ng/mL

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 LCN6 in samples. An antibody specific for LCN6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLCN6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LCN6 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 LCN6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Using database analysis and cDNA sequencing from a human caput library, Hamil et al. (2003) identified LCN6. The 163-amino acid LCN6 protein contains a predicted 20-amino acid signal peptide.human LCN6 is 93% identical to rhesus monkey Lcn6 and lacks a second, C-terminal cysteine found in many lipocalins. The LCN6 protein contains multiple phosphorylation sites, and structural prediction programs showed that LCN6 displays the characteristic lipocalin 3-dimensional structure. Northern blot analysis revealed robust expression of a 1-kb LCN6 transcript in epididymis. Using immunohistochemistry, strong expression of LCN6 protein in the caput epithelium and lumen; immunofluorescence of human spermatozoa showed strong LCN6 expression in large patches in the postacrosomal region of the head.

Note: This product is for in vitro research use only