

Rat Proprotein convertase subtilisin/kexin type 6 (PCSK6) ELISA Kit

Catalog No: #EK8636

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Package Size: #EK8636-1 48T #EK8636-2 96T

Description

Product Name	Rat Proprotein convertase subtilisin/kexin type 6 (PCSK6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	PACE4; SPC4; paired basic amino acid cleaving system 4 subtilisin-like proprotein convertase 4 subtilisin-like protease subtilisin/kexin-like protease PACE4
Accession No.	Q63415
Uniprot	Q63415
GeneID	25507;
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:0.156-10 ng/mL

Sensitivity:0.055 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 PCSK6 in samples. An antibody specific for PCSK6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPCSK6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCSK6 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 PCSK6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Proprotein convertase subtilisin/kexin type 6 is an enzyme that belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This encoded protein is a calcium-dependent serine endoprotease that can cleave precursor protein at their paired basic amino acid processing sites. Each PACE4 isoform exhibits a unique restricted distribution. PACE4A-I is expressed in heart, brain, placenta, lung, skeletal muscle, kidney, pancreas, but at comparatively higher levels in the liver. PACE4A-II is at least expressed in placenta. PACE4B was only found in the embryonic kidney cell line from which it was isolated. PACE4C and PACE4D are expressed in placenta.

Note: This product is for in vitro research use only