Mouse Probable protein-cysteine N-palmitoyltransferase porcupine (PORCN) ELISA Kit

Catalog No: #EK8386

Package Size: #EK8386-1 48T #EK8386-2 96T

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

Description

Product Name	Mouse Probable protein-cysteine N-palmitoyltransferase porcupine (PORCN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DHOF; FODH; MG61; MGC29687; PORC; PPN; por; 2410004O13Rik|OTTHUMP00000025784|porcupine
Accession No.	Q9JJJ7
Uniprot	Q9JJJ7
GeneID	53627;
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:0.312-20 ng/mL

Sensitivity:0.078 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 PORCN in samples. An antibody specific for PORCN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPORCN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PORCN 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 PORCN bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PORCN has 5 transcript variants that encode 5 protein isoforms with tissue-specific variability and expression (PORCA-PROCE). To investigate how developmental expression of PORCN contributes to the specific defects in focal dermal hypoplasia (FDH), Wang et al. (2007) performed RNA in situ hybridization on embryonic day 12.5 and embryonic day 14.5 mouse embryos using a probe that detects all known mouse Porcn transcript variants. They detected Porcn and the distinctive peripheral pattern in cartilage primordia of long bones and digits, calvarian, facial skeleton, molar tooth bud, and the petrous part of the temporal bone. They also observed it in developing skin of the anterior body wall and limbs and at lower levels in developing cerebral cortex and retina.

Note: This product is for in vitro research use only