Pig Adiponectin receptor 2 (ADIPOR2) ELISA Kit

Catalog No: #EK12225

Package Size: #EK12225-1 48T #EK12225-2 96T

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

Description

Product Name	Pig Adiponectin receptor 2 (ADIPOR2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Pig (Sus scrofa; Porcine)
Accession No.	Q86V24
Uniprot	Q86V24
GeneID	79602;
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 ADIPOR2 in samples. An antibody specific for ADIPOR2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADIPOR2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADIPOR2 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 ADIPOR2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:ADIPOR1 and ADIPOR2 are highly related structurally, and mouse Adipor1 and Adipor2 share 66.7% identity. ADIPOR1 and ADIPOR2 are 7-transmembrane domain proteins, but they are structurally, topologically, and functionally distinct from G protein-coupled receptors. Epitope tag labeling showed that the N terminus is internal and the C terminus is external in the ADIPORs, a topology opposite that of GPCRs. ADIPOR1, ADIPOR2 are conserved from yeast to human, especially in the membrane-spanning regions. The authors noted that the yeast homolog has a principal role in metabolic pathways that regulate lipid metabolism, such as fatty acid oxidation. Northern blot analysis of mouse or human tissues detected a major 4.0kb ADIPOR2 transcript that was most abundantly expressed in liver.

Note: This product is for in vitro research use only