Human Prickle-like protein 2 (PRICKLE2) ELISA Kit

Catalog No: #EK8285

Package Size: #EK8285-1 48T #EK8285-2 96T

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

Description

Product Name	Human Prickle-like protein 2 (PRICKLE2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DKFZp686D143; DKFZp686H1748; DKFZp686M031; prickle-like 2
Accession No.	Q7Z3G6
Uniprot	Q7Z3G6
GeneID	166336;
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 PRICKLE2 in samples. An antibody specific for PRICKLE2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRICKLE2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRICKLE2 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 PRICKLE2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:By searching an EST database for sequences similar to those of Drosophila and Xenopus Prickle, Katoh and Katoh (2003) identified human PRICKLE2. The deduced 844-amino acid protein contains an N-terminal PET domain followed by 3 LIM domains and a C-terminal prickle homology domain. PRICKLE2 shares 51.9% overall identity with PRICKLE1 and 79.3% identity within the N-terminal PET and LIM domains. EST database analysis revealed that PRICKLE1 and PRICKLE2 are coexpressed in brain, eye, and testis; additionally, PRICKLE2 is expressed in fetal brain, adult cartilage, pancreatic islet, gastric cancer, and uterine tumor.Katoh and Katoh (2003) determined that the PRICKLE2 gene contains at least 8 exons and that the 5-prime untranslated region is interrupted by intron 1.

Note: This product is for in vitro research use only