Human Disks large-associated protein 4 (DLGAP4) ELISA Kit

Catalog No: #EK10608

Package Size: #EK10608-1 48T #EK10608-2 96T

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

Description

Product Name	Human Disks large-associated protein 4 (DLGAP4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DAP4; DLP4; FLJ20588; KIAA0964; MGC131862; RP5-977B1.6; SAPAP4; PSD-95/SAP90-binding protein 4|SAP90/PSD-95-associated protein 4|disks large associated protein 4|disks large-associated protein 4
Accession No.	Q9Y2H0
Uniprot	Q9Y2H0
GeneID	22839;
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 DLGAP4 in samples. An antibody specific for DLGAP4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDLGAP4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DLGAP4 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 DLGAP4 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DLGAP4 is a membrane-associated guanylate kinase found at the postsynaptic density in neuronal cells. It is a signaling molecule that can interact with potassium channels and receptors, as well as other signaling molecules. The protein encoded by this gene can interact with PSD-95 through its guanylate kinase domain and may be involved in clustering PSD-95 in the postsynaptic density region. The encoded protein is one of at least four similar proteins that have been found. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. SAPAPs are specifically expressed in neuronal cells and enriched in the PSD fraction. SAPAPs induce the enrichment of PSD-95/SAP90 to the plasma membrane in transfected cells.

Note: This product is for in vitro research use only