

# Rat Disks large-associated protein 2 (DLGAP2) ELISA Kit



Catalog No: #EK10612

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Package Size: #EK10612-1 48T #EK10612-2 96T

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Rat Disks large-associated protein 2 (DLGAP2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	DAP2; SAPAP2; PSD-95/SAP90-binding protein 2 SAP90/PSD-95-associated protein 2 discs large-associated protein 2
Accession No.	P97837
Uniprot	P97837
GeneID	116681;
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: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 DLGAP2 in samples. An antibody specific for DLGAP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDLGAP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DLGAP2 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 DLGAP2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The product of this gene is one of the membrane-associated guanylate kinases localized at postsynaptic density in neuronal cells. These kinases are a family of signaling molecules expressed at various submembrane domains and contain the PDZ, SH3 and the guanylate kinase domains. This protein may play a role in the molecular organization of synapses and in neuronal cell signaling. Alternatively spliced transcript variants encoding different isoforms have been identified, but their full-length nature is not known.Sequence analysis predicted that the 538-amino acid DLGAP2 shares 52% sequence similarity with DLGAP1 and contains four 14-amino acid repeats and 3 proline-rich regions. Binding analysis showed that DLGAP2, like DLGAP1, interacts with DLG4 and DLG1.

---

Note: This product is for in vitro research use only