

# Human Pleckstrin homology domain-containing family O member 2 (PLEKHO2) ELISA Kit

Catalog No: #EK8440

Orders: order@signalwayantibody.com

Package Size: #EK8440-1 48T #EK8440-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Pleckstrin homology domain-containing family O member 2 (PLEKHO2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DKFZp761K2312; FLJ38884; PLEKHQ1; PP1628; pp9099; PH domain-containing protein pleckstrin homology domain containing; family Q member 1
Accession No.	Q8TD55
Uniprot	Q8TD55
GeneID	80301;
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:3.125-200 pg/mL

Sensitivity:1.25 pg/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 PLEKHO2 in samples. An antibody specific for PLEKHO2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPLEKHO2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLEKHO2 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 PLEKHO2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PLEKHO2 Contains 1 PH domain.Pleckstrin homology (PH) domain family using homology based modelling as an extension of traditional sequence analysis techniques.Many of the PH domain containing proteins are found to participate in signalling cascades but there are also other classes of proteins such as cytoskeletal proteins (eg spectrin) that carry a PH domain. The PH domain family is very divergent at a sequence level, the average pairwise identity is below 20%. Despite this it is structurally very conserved with the core secondary structure superimposing well and almost all variation confined to the loops. Generall, one would need a higher identity between such small proteins to be confident about structural homology predictions and this remarkable structural conservation is one of the interesting features of this domain.

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Note: This product is for in vitro research use only