Human Dixin (DIXDC1) ELISA Kit

Catalog No: #EK10661

Package Size: #EK10661-1 48T #EK10661-2 96T

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

Description

Product Name	Human Dixin (DIXDC1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CCD1; KIAA1735;
Accession No.	Q155Q3
Uniprot	Q155Q3
GeneID	85458;
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 DIXDC1 in samples. An antibody specific for DIXDC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDIXDC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DIXDC1 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 DIXDC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The 3-prime UTR of the cDNA contains an Alu element, and the deduced protein contains 493 amino acids. RT-PCR ELISA detected high expression in adult whole brain and in several specific brain regions. Intermediate expression was detected in all other tissues and brain regions examined.

The deduced 472-amino acid DIXDC1 protein has a central myosin tail homology (MTH) region similar to those found in MYH1 and MYH2, as well as a C-terminal DIX domain. Within the MTH region, DIXDC1 contains 2 tyrosine phosphorylation sites and a leucine zipper motif. DIXDC1 was predicted to be a cytoplasmic protein.In contrast with human DIXDC1, the MTH region of mouse Dixdc1 has only 1 tyrosine phosphorylation site and no leucine zipper motif.

Note: This product is for in vitro research use only