

Human 14-3-3 protein eta (YWHAH) ELISA Kit

Catalog No: #EK5803



Package Size: #EK5803-1 48T #EK5803-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human 14-3-3 protein eta (YWHAH) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	LL22NC03-44A4.1; YWHA1; 14-3-3 eta
Accession No.	Q04917
Uniprot	Q04917
GeneID	7533;
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:6.25-400 ng/mL

Sensitivity:3.25 ng/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 YWHAH in samples. An antibody specific for YWHAH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyYWHAH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for YWHAH 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 YWHAH bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**YWHAh product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and bovine orthologs. This gene contains a 7 bp repeat sequence in its 5' UTR, and changes in the number of this repeat has been associated with early-onset schizophrenia.The 1,730-nucleotide sequence of the cDNA contained a 191-bp 5-prime noncoding region, the complete 738-bp coding region, and an 801-bp 3-prime noncoding region with 3 canonical polyadenylation signals. The eta chain encoded by the cDNA is a 246-amino acid polypeptide with a predicted molecular weight of 28,196.

Note: This product is for in vitro research use only