

Human NEDD4-like E3 ubiquitin-protein ligase WWP2 (WWP2) ELISA Kit



Catalog No: #EK5821

Orders: order@signalwayantibody.com

Package Size: #EK5821-1 48T #EK5821-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human NEDD4-like E3 ubiquitin-protein ligase WWP2 (WWP2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AIP2; WWp2-like; Nedd-4-like ubiquitin-protein ligase OTTHUMP00000174895 WW domain-containing protein 2 atrophin-1 interacting protein 2
Accession No.	O00308
Uniprot	O00308
GeneID	11060;
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:0.781-50 ng/mL

Sensitivity:0.27 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 WWP2 in samples. An antibody specific for WWP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyWWP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WWP2 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 WWP2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**WWP2 encodes a member of the NEDD4-like protein family. The family of proteins is known to possess ubiquitin-protein ligase activity. The encoded protein contains 4 tandem WW domains. The WW domain is a protein motif consisting of 35 to 40 amino acids and is characterized by 4 conserved aromatic residues. The WW domain may mediate specific protein-protein interactions. Three alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.The deduced 870-amino acid protein has a calculated molecular mass of 98.7 kD and shares 96% identity with human WWP2. Northern blot analysis detected 2 Wwp2 transcripts, with highest expression in testis, followed by spleen, kidney, and liver.

Note: This product is for in vitro research use only