Human Ubiquitin-conjugating enzyme E2 D2 (UBE2D2) ELISA Kit

Catalog No: #EK12069

Package Size: #EK12069-1 48T #EK12069-2 96T

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

Description

Product Name	Human Ubiquitin-conjugating enzyme E2 D2 (UBE2D2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	E2(17)KB2; PUBC1; UBC4; UBC4/5; UBCH5B; ubiquitin carrier protein|ubiquitin-conjugating enzyme E2 D2|ubiquitin-conjugating enzyme E2-17 kDa 2|ubiquitin-conjugating enzyme E2D 2|ubiquitin-conjugating
Accession No.	P62837
Uniprot	P62837
GeneID	7322;
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 UBE2D2 in samples. An antibody specific for UBE2D2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyUBE2D2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UBE2D2 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 UBE2D2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s.Ubiquitin-conjugating enzyme E2 D2 is a member of the E2 ubiquitin-conjugating enzyme family. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. Two alternatively spliced transcript variants have been found for this gene and they encode distinct isoforms. UBE2D2 has been shown to interact with PJA1, Baculoviral IAP repeat-containing protein 3, PJA2, UBE3A and NEDD4.

Note: This product is for in vitro research use only