

Human WD repeat-containing protein 35 (WDR35) ELISA Kit



Catalog No: #EK5839

Orders: order@signalwayantibody.com

Package Size: #EK5839-1 48T #EK5839-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human WD repeat-containing protein 35 (WDR35) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	KIAA1336; MGC33196;
Accession No.	Q9P2L0
Uniprot	Q9P2L0
GeneID	57539;
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:0.156-10 ng/mL

Sensitivity:0.062 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 WDR35 in samples. An antibody specific for WDR35 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyWDR35 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WDR35 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 WDR35 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**WDR35 is WD40 domain-containing protein. Studies in mouse and several lower organisms have implicated WDR35 in intraflagellar transport. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. The deduced 1,170-amino acid protein contains 4 N-terminal WD40 domains and shares 92.7% identity with human WDR35. Quantitative RT-PCR detected Wdr35 expression in all rat tissues examined, with highest expression in testis, followed by brain, and lowest expression in spleen.

Note: This product is for in vitro research use only