

Human WD repeat-containing protein 52 (WDR52) ELISA Kit



Catalog No: #EK5838

Orders: order@signalwayantibody.com

Package Size: #EK5838-1 48T #EK5838-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human WD repeat-containing protein 52 (WDR52) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DKFZp781C082; FLJ11142; MGC126631; MGC142113;
Accession No.	Q96MT7
Uniprot	Q96MT7
GeneID	55779;
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:0.057 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 WDR52 in samples. An antibody specific for WDR52 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyWDR52 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WDR52 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 WDR52 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**WDR53 Contains5 WD repeats. WD-repeat proteins belong to a large and fast-expanding conservative protein family. As demonstrated by the crystal structure of the G protein beta subunit, all WD-repeat proteins are speculated to form a circularized beta propeller structure. The importance of these proteins is not only demonstrated by their critical roles in many essential biological functions ranging from signal transduction, transcription regulation, to apoptosis, but is also recognized by their association with several human diseases. Defining the function of a WD-repeat protein is the current challenge. It is, however, paramount to uncover the function of individual WD-repeat proteins, explore the protein interaction mechanism through WD-repeat domains and, ultimately, understand the complex biological processes and organisms themselves.

Note: This product is for in vitro research use only