

Human RCC1 and BTB domain-containing protein 2 (RCBTB2) ELISA Kit

Catalog No: #EK7555

Orders: order@signalwayantibody.com

Package Size: #EK7555-1 48T #EK7555-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human RCC1 and BTB domain-containing protein 2 (RCBTB2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CHC1L; RCC1-like G exchanging factor RLG chromosome condensation 1-like regulator of chromosome condensation and BTB domain containing protein 2
Accession No.	O95199
Uniprot	O95199
GeneID	1102;
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:0.312-20 ng/mL

Sensitivity:0.124 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 RCBTB2 in samples. An antibody specific for RCBTB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRCBTB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RCBTB2 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 RCBTB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**RCBTB2 encodes a member of the RCC1-related GEF family. The N-terminal half of the encoded amino acid sequence shows similarity to the regulator of chromosome condensation RCC1, which acts as a guanine nucleotide exchange factor (GEF) protein for the Ras-related GTPase Ran.

The CHC1L gene contains 14 exons and spans at least 30 kb. The 3.2-kb CHC1L mRNA was expressed in all tissues tested by Northern blot analysis. The authors identified 4 alternatively spliced CHC1L transcripts encoding 2 protein isoforms of 551 and 526 amino acids, respectively. Sequence analysis revealed that both isoforms contain 6 repeats that share homology with repeats found in CHC1 and RPGR, and a zinc finger motif.

Note: This product is for in vitro research use only