Human Bridging integrator 2 (BIN2) ELISA Kit

Catalog No: #EK11669

Package Size: #EK11669-1 48T #EK11669-2 96T

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

Description

Product Name	Human Bridging integrator 2 (BIN2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BRAP-1; breast cancer associated protein BRAP1|bridging integrator-2
Accession No.	Q9UBW5
Uniprot	Q9UBW5
GeneID	51411;
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:0.112 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 BIN2 in samples. An antibody specific for BIN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyBIN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BIN2 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 BIN2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:BIN2 has acidic and serine/proline-rich stretches but lacks a C-terminal SH3 domain or a MYC-interacting region. Northern blot analysis revealed expression of a major 2.6-kb transcript that was highest in spleen and peripheral blood leukocytes and also high in thymus, colon, and placenta, suggesting preferential expression in hematopoietic tissues. Strong expression was detected in lymphoid and granulocytic cell lines but not other cell lines. Coimmunoprecipitation and Western blot analyses showed expression of an 80-kD protein that interacts with the N-terminal portion of the BAR domain of BIN1 isoforms but not with AMPH. Immunofluorescence microscopy demonstrated cytosolic expression and lack of receptor-mediated endocytic function for BIN2. Functional analysis showed that BIN2 lacks tumor suppressor features.

Note: This product is for in vitro research use only