

Human Proliferation-associated protein 2G4 (PA2G4) ELISA Kit



Catalog No: #EK8686

Orders: order@signalwayantibody.com

Package Size: #EK8686-1 48T #EK8686-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Proliferation-associated protein 2G4 (PA2G4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	EBP1; HG4-1; p38-2G4; ErbB-3 binding protein 1 ErbB3-binding protein 1 ErbB3-binding protein Ebp1 cell cycle protein p38-2G4 homolog
Accession No.	Q9UQ80
Uniprot	Q9UQ80
GeneID	5036;
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:0.114 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 PA2G4 in samples. An antibody specific for PA2G4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPA2G4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PA2G4 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 PA2G4 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**PA2G4 encodes an RNA-binding protein that is involved in growth regulation. This protein is present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of rRNA processing.

This protein can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. This protein is also a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. This protein has been implicated in growth inhibition and the induction of differentiation of human cancer cells.

Note: This product is for in vitro research use only