Human Protein polybromo-1 (PBRM1) ELISA Kit

Catalog No: #EK8655

Package Size: #EK8655-1 48T #EK8655-2 96T

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

Description

Product Name	Human Protein polybromo-1 (PBRM1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BAF180; MGC156155; MGC156156; PB1;
Accession No.	Q86U86
Uniprot	Q86U86
GeneID	55193;
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:0.156-10 ng/mL

Sensitivity:0.052 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 PBRM1 in samples. An antibody specific for PBRM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPBRM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PBRM1 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 PBRM1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The deduced 1,582-amino acid BAF180 protein, which is 90% identical to the chicken polybromo-1 protein, possesses 5 bromodomains, 2 bromo-adjacent homology (BAH) regions, and 1 high-mobility group (HMG) motif. BAF180 is also highly homologous to yeast Rsc1, Rsc2, and Rsc3, essential proteins that are required for cell cycle progression through mitosis. Northern blot analysis revealed wide expression of 9.5- and 7.5-kb BAF180 transcripts. Immunofluorescence microscopy demonstrated that BAF180 was expressed in the nucleus during interphase but colocalized with cytoplasmic dynein at some kinetochores during prometaphase. The localization of BAF180 at kinetochores was not observed in metaphase, anaphase, or telophase.

Note: This product is for in vitro research use only