Human DNA-directed RNA polymerase II subunit RPB11-b1 (POLR2J2) ELISA Kit

Catalog No: #EK11440

Package Size: #EK11440-1 48T #EK11440-2 96T

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

Description

Product Name	Human DNA-directed RNA polymerase II subunit RPB11-b1 (POLR2J2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	HRPB11B; MGC105050; MGC54043; RPB11b1; DNA directed RNA polymerase II polypeptide J-related
Accession No.	Q9GZM3
Uniprot	Q9GZM3
GeneID	246721;548644;
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:Request Information

Sensitivity:Request Information

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 POLR2J2 in samples. An antibody specific for POLR2J2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPOLR2J2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for POLR2J2 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 POLR2J2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:POLR2J2 is a member of the RNA polymerase II subunit 11 gene family, which includes three genes in a cluster on chromosome 7q22.1 and a pseudogene on chromosome 7p13. The founding member of this family, DNA directed RNA polymerase II polypeptide J, has been shown to encode a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This locus produces multiple, alternatively spliced transcripts that potentially express isoforms with distinct C-termini compared to DNA directed RNA polymerase II polypeptide J. Most or all variants are spliced to include additional non-coding exons at the 3' end which makes them candidates for nonsense-mediated decay (NMD). Consequently, it is not known if this locus expresses a protein or proteins in vivo.

Note: This product is for in vitro research use only