

Mouse Histone acetyltransferase p300 (EP300) ELISA Kit

Catalog No: #EK11266

Orders: order@signalwayantibody.com

Package Size: #EK11266-1 48T #EK11266-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Histone acetyltransferase p300 (EP300) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	RP1-85F18.1; KAT3B; p300; E1A-associated protein p300 E1A-binding protein; 300kD histone acetyltransferase p300
Accession No.	B2RWS6
Uniprot	B2RWS6
GeneID	328572;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.055 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate EP300 in samples. An antibody specific for EP300 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any EP300 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EP300 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 EP300 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:E1A binding protein p300 also known as EP300 or p300 is a protein which in humans is encoded by the EP300 gene.This protein regulates the activity of many genes in tissues throughout the body. It plays an essential role in regulating cell growth and division, prompting cells to mature and assume specialized functions (differentiate), and preventing the growth of cancerous tumors. The p300 protein appears to be critical for normal development before and after birth.

The p300 protein carries out its function by activating transcription, the process of making a blueprint of a gene for protein production. Specifically, p300 connects transcription factors, which are proteins that start the transcription process, with the complex of proteins that carries out transcription in the cell's nucleus.

Note: This product is for in vitro research use only