Chicken Amidophosphoribosyltransferase (PPAT) ELISA Kit

Catalog No: #EK11427

Package Size: #EK11427-1 48T #EK11427-2 96T

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

Description

Product Name	Chicken Amidophosphoribosyltransferase (PPAT) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Chicken (Gallus)
Other Names	ATASE; GPAT; PRAT; amidophosphoribosyltransferase|glutamine PRPP amidotransferase|glutamine phosphoribosylpyrophosphatate amidotransferase
Accession No.	P28173
Uniprot	P28173
GeneID	422743;
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:0.063 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 PPAT in samples. An antibody specific for PPAT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPPAT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPAT 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 PPAT bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:COASY has been shown to interact with P70-S6 Kinase 1. COASY has also been implicated in PI3K signaling, as it was shown to interact with a regulatory subunit of PI3K.
Expressed in all tissues examined including brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, small intestine, placenta, lung and peripheral blood leukocyte. Lowest expression in peripheral blood leukocytes and highest in kidney and liver. Isoform 2 is expressed mainly in the brain.Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. COASY is a bifunctional enzyme that catalyzes the 2 last steps in CoA synthesis.

Note: This product is for in vitro research use only