

Bovine Lipid phosphate phosphohydrolase 2 (PPAP2C) ELISA Kit

Catalog No: #EK11431

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Package Size: #EK11431-1 48T #EK11431-2 96T

Description

Product Name	Bovine Lipid phosphate phosphohydrolase 2 (PPAP2C) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	LPP2; PAP-2c; PAP2-g; lipid phosphate phosphohydrolase 2 phosphatidic acid phosphohydrolase type 2c type-2 phosphatidic acid phosphatase-gamma
Accession No.	Q2HJ61
Uniprot	Q2HJ61
GeneID	504545;
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: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 PPAP2C in samples. An antibody specific for PPAP2C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPPAP2C present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPAP2C 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 PPAP2C bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Lipid phosphate phosphohydrolase 2 is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D.

This protein is similar to phosphatidic acid phosphatase type 2A (PPAP2A) and type 2B (PPAP2B). All three proteins contain 6 transmembrane regions, and a consensus N-glycosylation site.

Phosphatidic Acid Phosphatase Type 2C has been shown to possess membrane associated PAP activity. Three alternatively spliced transcript variants encoding distinct isoforms have been reported.

Note: This product is for in vitro research use only