

PPCDC Polyclonal antibody

Catalog Number: 16270-1-AP

Basic Information

Catalog Number:

16270-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9337

GenBank Accession Number:

BC014409

GeneID (NCBI):

60490

UNIPROT ID:

Q96CD2

Full Name:

phosphopantothenoylcysteine
decarboxylase

Calculated MW:

204 aa, 22 kDa

Observed MW:

22-25 kDa, 14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, human placenta tissue, HL-60 cells,
K-562 cells

Background Information

Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. PPCDC, one of the last enzymes in this pathway, converts phosphopantothenoylcysteine to 4-prime-phosphopantetheine. The antibody was generated against full length human recombinant PPCDC, which is a bright yellow protein, indicating the presence of flavins. The antibody solution gives yellow color, too. It may be caused by elution of flavins during affinity purification with PPCDC-protein column.

Storage

Storage:

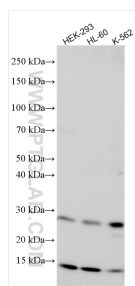
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16270-1-AP (PPCDC antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.