

For Research Use Only

# COA4 Polyclonal antibody, PBS Only

Catalog Number:30721-1-PBS



## Basic Information

Catalog Number:

30721-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33966

GenBank Accession Number:

NM\_016565.2

GeneID (NCBI):

51287

UNIPROT ID:

Q9NYJ1-1

Full Name:

Cytochrome c oxidase assembly factor 4 homolog, mitochondrial

Calculated MW:

10 kDa

Observed MW:

12 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

## Background Information

The coiled-coil-helix-coiled-coil-helix domain containing 8 (CHCHD8) is a putative COX assembly factor known as cytochrome c oxidase assembly factor 4 homolog (CoA4). COA4 is a newly identified CcO assembly factor which is a twin CX(9)C motif mitochondrial protein localized in the intermembrane space linked with the inner membrane of mitochondria. Its transport into intermembrane space depends on the MIA40 trans-site receptor machinery. (PMID: 37345060)

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

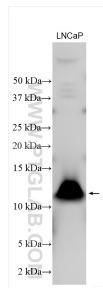
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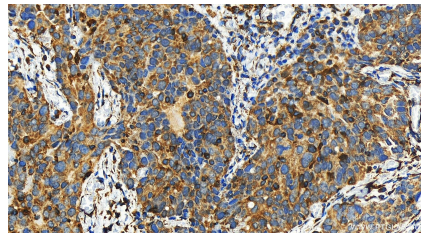
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## Selected Validation Data



LNCaP cells were subjected to SDS PAGE followed by western blot with 30721-1-AP (COA4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30721-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 30721-1-AP (COA4 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30721-1-PBS in a different storage buffer formulation.