

For Research Use Only

# COA4 Polyclonal antibody

Catalog Number: 30721-1-AP



## Basic Information

<b>Catalog Number:</b> 30721-1-AP	<b>GenBank Accession Number:</b> NM_016565.2	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51287	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NYJ1-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> Cytochrome c oxidase assembly factor 4 homolog, mitochondrial	
<b>Immunogen Catalog Number:</b> AG33966	<b>Calculated MW:</b> 10 kDa <b>Observed MW:</b> 12 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : LNCaP cells, HEK-293 cells, HeLa cells, PC-3 cells IHC : human ovary cancer tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

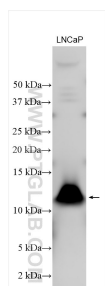
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

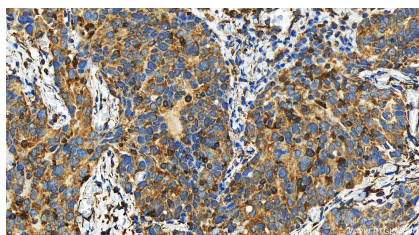
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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.



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).