

For Research Use Only

# COA5 Polyclonal antibody

Catalog Number: 34046-1-AP



## Basic Information

<b>Catalog Number:</b> 34046-1-AP	<b>GenBank Accession Number:</b> BC047722	<b>Purification Method:</b> Antigen affinity Purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 493753	<b>Recommended Dilutions:</b> WB: 1:500-1:2000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q86WW8	
<b>Immunogen Catalog Number:</b> AG41138	<b>Full Name:</b> Cytochrome c oxidase assembly factor 5	
	<b>Observed MW:</b> 8-12 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : hTERT-RPE1 cells,
<b>Species Specificity:</b> human	

## Background Information

The cytochrome c oxidase assembly factor 5 (COA5) gene, previously denoted as C2orf64, was first reported in humans when a homozygous missense variant (c.157G>C, p.Ala53Pro) in this gene was shown to cause mitochondrial disease. COA5 is a small mitochondrial protein required for an early step in the assembly of cytochrome-c oxidase (complex IV) of the respiratory chain. It contains a conserved twin-CX9C motif, is located in the mitochondrial inner membrane (PMID: 39779219).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

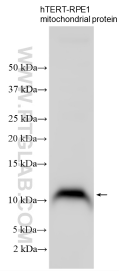
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34046-1-AP (COA5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.