

For Research Use Only

# COA5 Polyclonal antibody, PBS Only

Catalog Number: 34046-1-PBS



## Basic Information

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|---|---|--|
| <b>Catalog Number:</b><br>34046-1-PBS                       | <b>GenBank Accession Number:</b><br>BC047722                | <b>Purification Method:</b><br>Antigen affinity Purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>493753                             |  |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>Q86WW8                                |  |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>Cytochrome c oxidase assembly factor 5 |  |
| <b>Immunogen Catalog Number:</b><br>AG41138                 | <b>Observed MW:</b><br>8-12 kDa                             |  |

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
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

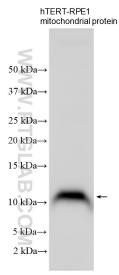
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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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. This data was developed using the same antibody clone with 34046-1-PBS in a different storage buffer formulation.