

For Research Use Only

COA5 Polyclonal antibody

Catalog Number: 34046-1-AP



Basic Information

Catalog Number: 34046-1-AP	GenBank Accession Number: BC047722	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 430 ug/ml by Nanodrop;	GeneID (NCBI): 493753	Recommended Dilutions: WB: 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q86WW8	
Isotype: IgG	Full Name: Cytochrome c oxidase assembly factor 5	
Immunogen Catalog Number: AG41138	Observed MW: 8-12 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : hTERT-RPE1 cells,
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 -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

*** 20ul sizes contain 0.1% BSA

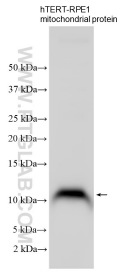
For technical support and original validation data for this product please contact:

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Selected Validation Data



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.