

For Research Use Only

# SCO1 Polyclonal antibody

Catalog Number: 12614-1-AP **1 Publications**



## Basic Information

**Catalog Number:**

12614-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3269

**GenBank Accession Number:**

BC015504

**GeneID (NCBI):**

6341

**UNIPROT ID:**

O75880

**Full Name:**

SCO cytochrome oxidase deficient homolog 1 (yeast)

**Calculated MW:**

301 aa, 34 kDa

**Observed MW:**

30 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB, IP, IF

**Species Specificity:**

human

**Cited Species:**

human, mouse

**Positive Controls:**

WB: HeLa cells, HepG2 cells, LNCaP cells, human heart tissue, human placenta tissue

## Background Information

Human SCO1 and SCO2 are metallochaperones that are essential for the assembly of the catalytic core of cytochrome c oxidase (COX). SCO1 appears to be involved in the folding and assembly of cytochrome oxidase subunit II, and possibly of other proteins of this subcompartment. It is a 33 kDa protein which displays limited homology to members of the DnaJ family (PMID:14731768). It is also named as SCOD1 and belongs to the SCO1/2 family. It can exist as a homodimer (PMID:16735468). Defects in SCO1 are a cause of mitochondrial complex IV deficiency (MT-C4D).

## Notable Publications

Author	Pubmed ID	Journal	Application
Liping Xie	36261001	Cell Rep	WB, IF, IP

## 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

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

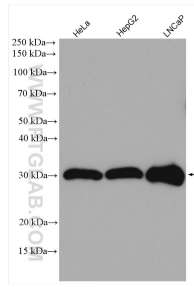
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12614-1-AP (SCO1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.