

For Research Use Only

SCO1 Polyclonal antibody

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



Basic Information

Catalog Number: 12614-1-AP	GenBank Accession Number: BC015504	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6341	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: SCO cytochrome oxidase deficient homolog 1 (yeast)	
Isotype: IgG	Calculated MW: 301 aa, 34 kDa	
Immunogen Catalog Number: AG3269	Observed MW: 30 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, LNCaP cells, human heart tissue, human placenta tissue
Cited Applications: IF, IP, WB	
Species Specificity: human	
Cited Species: human, mouse	

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

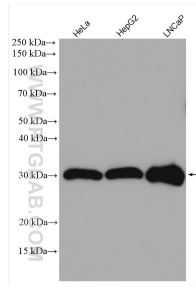
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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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.