

Rabbit anti-Human SCO2 Polyclonal Antibody | anti-SCO1 antibody

SCO2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39452	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

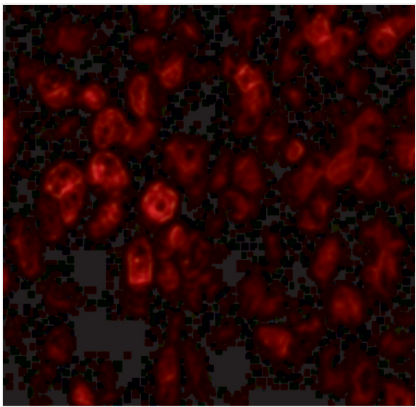
PRODUCT SYNONYMS

SCO2; Polyclonal Antibody; SCO2 Antibody; SCOD1; Protein SCO2 homolog; mitochondrial; SCO cytochrome oxidase deficient homolog 1 (yeast); anti-SCO1 antibody

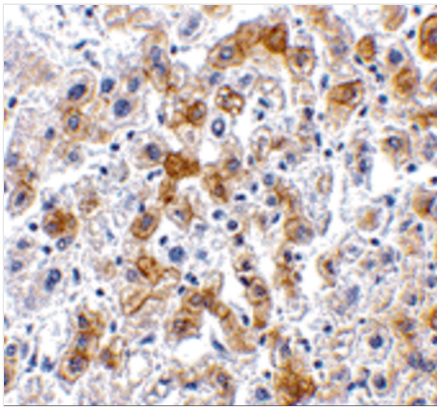
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	SCO2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	266
Applicable Applications for anti-SCO1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SCO2 antibody was raised against a 19 amino acid synthetic peptide from near the carboxy terminus of human SCO2.
Buffer	SCO2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SCO2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

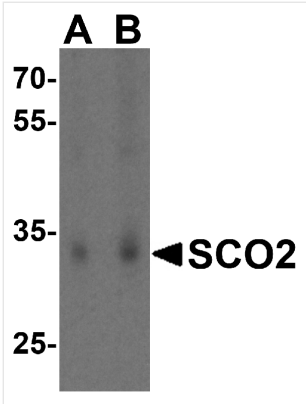
IMAGES



IF (Immunofluorescence)
Immunofluorescence of SCO2 in Human Liver tissue with SCO2 antibody at 20 µg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of SCO2 in human liver tissue with SCO2 antibody at 2.5 µg/mL.



WB (Western Blot)
Western blot analysis of SCO2 in HL60 cell lysate with SCO2 antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SCO1 antibody	SCO2 Antibody: Synthesis of cytochrome c oxidase 2 was initially identified in yeast as one of two cytochrome c oxidase (COX) assembly proteins that enable the assembly of cytochrome c holoenzyme, a complex that catalyzes the transfer of reducing equivalents from cytochrome c to molecular oxygen and pumps protons across the inner mitochondrial membrane. Like their yeast homologs, the function of both SCO2 and SCO1 are dependent on copper ion binding. Recent studies suggest that SCO2 expression is regulated by p53, so that a decrease in p53 expression, such as in numerous tumors and cells lines, the drop in SCO2 expression leads to a shift from normal aerobic respiration towards the production of glycolytic ATP. Defects in the SCO2 protein are also associated with fatal infantile cardioencephalomyopathy and COX deficiency.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	8134662
NCBI GeneID	9997
UniProt Accession #	O43819; Q3T1B5; Q9UK87
Molecular Weight	29,810 Da
NCBI Official Full Name	Protein SCO2 homolog, mitochondrial
NCBI Official Synonym Full Names	SCO2 cytochrome c oxidase assembly protein
NCBI Official Symbol	SCO2
NCBI Official Synonym Symbols	MYP6; SCO1L; CEMCOX1

NCBI Protein Information	protein SCO2 homolog, mitochondrial; SCO cytochrome oxidase deficient homolog 2
UniProt Protein Name	Protein SCO2 homolog, mitochondrial
UniProt Gene Name	SCO2
UniProt Entry Name	SCO2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sco2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39452>