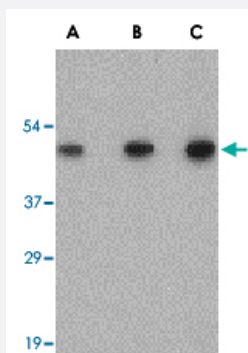


SCO2 polyclonal antibody

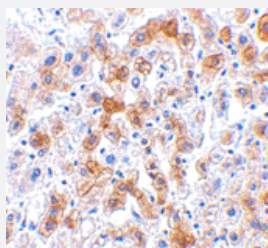
Catalog # PAB12984 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of SCO2 in human liver tissue lysate with SCO2 polyclonal antibody (Cat # PAB12984) at (A) 0.5, (B) 1 and (C) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of SCO2 in human liver tissue with SCO2 polyclonal antibody (Cat # PAB12984) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SCO2.
Immunogen	A synthetic peptide corresponding to C-terminus 19 amino acids of human SCO2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of SCO2 in human liver tissue lysate with SCO2 polyclonal antibody (Cat # PAB12984) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of SCO2 in human liver tissue with SCO2 polyclonal antibody (Cat # PAB12984) at 2.5 ug/mL .

Gene Info — SCO2

Entrez GeneID	9997
Protein Accession#	Q43819
Gene Name	SCO2
Gene Alias	MGC125823, MGC125825, SCO1L
Gene Description	SCO cytochrome oxidase deficient homolog 2 (yeast)
Omim ID	604272 604377
Gene Ontology	Hyperlink
Gene Summary	Mammalian cytochrome c oxidase (COX) catalyzes the transfer of reducing equivalents from cytochrome c to molecular oxygen and pumps protons across the inner mitochondrial membrane. In yeast, 2 related COX assembly genes, SCO1 and SCO2 (synthesis of cytochrome c oxidase), enable subunits 1 and 2 to be incorporated into the holoprotein. This gene is the human homolog of the yeast SCO2 gene. [provided by RefSeq]
Other Designations	OTTHUMP00000196773 SCO (cytochrome oxidase deficient, yeast) homolog 2 cytochrome oxidase deficient homolog 2

Publication Reference

- [Untersuchungen zur Wirkungsweise des Radioprotektors O-Phospho-L-Tyrosin auf die Zellreparatur und den Metabolismus der Zelle.](#)

Angela Paasch.

Thesis for: doctoral 2015 Jan; 1.

Application: WB-Ce, WB-Tr, Human, A-549, HSF7 cells

- [p53 regulates mitochondrial respiration.](#)

Matoba S, Kang JG, Patino WD, Wragg A, Boehm M, Gavrilova O, Hurley PJ, Bunz F, Hwang PM.

Science 2006 Jun; 312(5780):1650.

Application: WB, Human, DLD-1, HCT-116 cells, Mouse liver

- [Human Sco1 and Sco2 function as copper-binding proteins.](#)

Hornig YC, Leary SC, Cobine PA, Young FB, George GN, Shoubridge EA, Winge DR.

The Journal of Biological Chemistry 2005 Oct; 280(40):34113.

Application: WB, Human, Human skin fibroblasts

- [SCO1 and SCO2 act as high copy suppressors of a mitochondrial copper recruitment defect in Saccharomyces cerevisiae.](#)

Glerum DM, Shtanko A, Tzagoloff A.

The Journal of Biological Chemistry 1996 Aug; 271(34):20531.

Application: WB-Re, WB-Tr, Yeast, Recombinant proteins, Yeast cells

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)