

Rabbit SCO2 Polyclonal Antibody | anti-SCO2 antibody

SCO2 Antibody

CATALOG # AAA328721	HOST Rabbit	REACTIVITY Human, Mouse, Rat Predicted: Pig, Bovine	APPLICATIONS Western Blot
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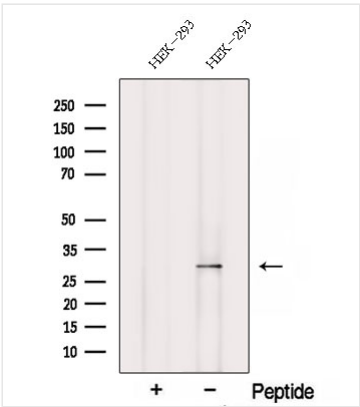
PRODUCT SYNONYMS

SCO2; Polyclonal Antibody; SCO2 Antibody; Cytochrome oxidase deficient homolog 2; MGC125823; MGC125825; OTTHUMP00000196774; OTTHUMP00000196775; Protein SCO2 homolog; mitochondrial; SCO (cytochrome oxidase deficient; yeast) homolog 2; SCO 1L; SCO 2; SCO cytochrome oxidase deficient homolog 2 (yeast); SCO cytochrome oxidase deficient homolog 2; SCO1L; SCO2_HUMAN; Synthesis of cytochrome c oxidase 2; anti-SCO2 antibody

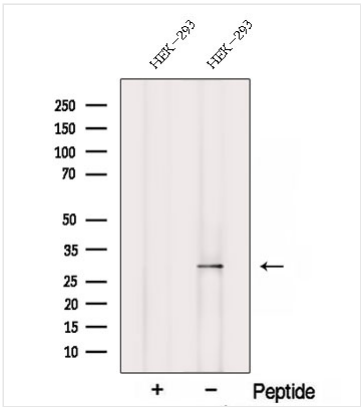
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine
Clonality	Polyclonal
Isotype	IgG
Specificity	SCO2 Antibody detects endogenous levels of SCO2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	266
Applicable Applications for anti-SCO2 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human SCO2.
Tissue Specificity	Ubiquitous.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Mitochondrion
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HEK-293 cells, using SCO2 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from Rat brain, using SCO2 Antibody. The lane on the left was treated with blocking peptide.Observed bands: 37 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SCO2 antibody	Description: Copper metallochaperone essential for the synthesis and maturation of cytochrome c oxidase subunit II (MT-CO2/COX2). Involved in transporting copper to the Cu(A) site on MT-CO2/COX2 (PubMed:15229189, PubMed:17189203). Also acts as a thiol-disulfide oxidoreductase to regulate the redox state of the cysteines in SCO1 during maturation of MT-CO2/COX2 (PubMed:19336478). Subunit Structure: Homodimer (PubMed:15229189). Interacts with COA6 (PubMed:25959673). Found in a complex with TMEM177, COX20, COA6, MT-CO2/COX2, COX18 and SCO1 (PubMed:29154948). Interacts with TMEM177 in a COX20-dependent manner (PubMed:29154948). Interacts with COX20 in a MT-CO2/COX2- and COX18-dependent manner (PubMed:29154948, PubMed:24403053, PubMed:28330871). Interacts with COX16 (PubMed:29381136). Similarity: Belongs to the SCO1/2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	281182716
NCBI GeneID	9997
NCBI Accession #	NP_001162580.1
NCBI GenBank Nucleotide #	NP_001162580.1
UniProt Accession #	O43819
Molecular Weight	Observed: 30 kDa Predicted: 30 kDa
NCBI Official Full Name	protein SCO2 homolog, mitochondrial
NCBI Official Synonym Full Names	SCO cytochrome c oxidase assembly protein 2
NCBI Official Symbol	SCO2
NCBI Official Synonym Symbols	TP; MYP6; TYMP; ECGF1; SCO1L; CEMCOX1; PD-ECGF; TdRPase; Gliostatin
NCBI Protein Information	protein SCO2 homolog, mitochondrial
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sco2-antibody-western-blot-elisa/328721>