

SCO2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56650

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O43819
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29810

Additional Information

Gene ID	9997
Other Names	Protein SCO2 homolog, mitochondrial, SCO2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SCO2
Function	Copper metallochaperone essential for the synthesis and maturation of cytochrome c oxidase subunit II (MT-CO2/COX2); together with SCO1, facilitates the incorporation of copper into the Cu(A) site of MT-CO2/COX2 (PubMed: 15229189 , PubMed: 17189203 , PubMed: 19336478 , PubMed: 35750769). Could also act as a thiol-disulfide oxidoreductase to regulate the redox state of the cysteines in SCO1 during maturation of MT-CO2/COX2 (PubMed: 19336478).
Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein
Tissue Location	Ubiquitous.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.