

## Rabbit SCO2 Polyclonal Antibody | anti-SCO2 antibody

SCO2 Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA177681</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

SCO2; Polyclonal Antibody; SCO2 Polyclonal Antibody; CEMCOX1; MYP6; SCO1L; anti-SCO2 antibody

### PRODUCT SPECIFICATIONS

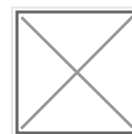
|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| Host                                           | Rabbit                                                   |
| Reactivity                                     | Human, Mouse, Rat                                        |
| Clonality                                      | Polyclonal                                               |
| Isotype                                        | IgG                                                      |
| Purity/Purification                            | Affinity purification                                    |
| Form/Format                                    | PBS with 0.02% sodium azide, 50% glycerol, pH7.3         |
| Concentration                                  | 1mg/mL (varies by lot)                                   |
| Applicable Applications for anti-SCO2 antibody | IHC (Immunohistochemistry), WB (Western Blot)            |
| Immunogen                                      | Recombinant fusion protein of human SCO2 (NP_0011625821) |
| Conjugation                                    | Unconjugated                                             |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.         |

### IMAGES



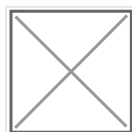
#### IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded Rat brain using SCO2 Polyclonal Antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded Human stomach using SCO2 Polyclonal Antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines using SCO2 Polyclonal Antibody at dilution of 1:1000.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SCO2 antibody | Cytochrome c oxidase (COX) catalyzes the transfer of electrons from cytochrome c to molecular oxygen, which helps to maintain the proton gradient across the inner mitochondrial membrane that is necessary for aerobic ATP production. Human COX is a multimeric protein complex that requires several assembly factors; this gene encodes one of the COX assembly factors. The encoded protein is a metallochaperone that is involved in the biogenesis of cytochrome c oxidase subunit II. Mutations in this gene are associated with fatal infantile encephalocardiomyopathy and myopia 6. |
| Product Categories/Family for anti-SCO2 antibody   | <a href="#">Polyclonal Antibody</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| NCBI GI #                        | 281182716                                                                       |
| NCBI GeneID                      | 9997                                                                            |
| NCBI Accession #                 | <a href="#">NP_001162580.1</a>                                                  |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001169109.1</a>                                                  |
| UniProt Accession #              | <a href="#">O43819</a> ; <a href="#">Q3T1B5</a> ; <a href="#">Q9UK87</a>        |
| 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                | <b>SCO2</b>                                                                     |
| 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-immunohistochemistry-western-blot-elisa/177681>