

**SCO1 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI13968****Specification**

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**SCO1 antibody - middle region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O75880</a>
Other Accession	<a href="#">NM_004589</a> , <a href="#">NP_004580</a>
Reactivity	<b>Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog</b>
Predicted	<b>Human, Mouse, Rat, Rabbit, Chicken, Horse, Bovine</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>34kDa KDa</b>

**SCO1 antibody - middle region - Additional Information****Gene ID** 6341

Alias Symbol	<b>SCOD1</b>
<b>Other Names</b>	
Protein SCO1 homolog, mitochondrial, SCO1, SCOD1	

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-SCO1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

SCO1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**SCO1 antibody - middle region - Protein Information****Name** SCO1**Synonyms** SCOD1**Function**

Copper metallochaperone essential for the maturation of cytochrome c oxidase subunit II (MT-CO2/COX2). Not required for the synthesis of MT-CO2/COX2 but plays a crucial role in stabilizing MT-CO2/COX2 during its subsequent maturation. Involved in transporting copper to the Cu(A) site on MT-CO2/COX2 (PubMed:&lt;a href="http://www.uniprot.org/citations/15229189" target="\_blank"&gt;15229189&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/15659396" target="\_blank"&gt;15659396&lt;/a&gt;)

target="\_blank">15659396</a>, PubMed:<a href="http://www.uniprot.org/citations/16735468" target="\_blank">16735468</a>, PubMed:<a href="http://www.uniprot.org/citations/17189203" target="\_blank">17189203</a>, PubMed:<a href="http://www.uniprot.org/citations/19336478" target="\_blank">19336478</a>). Plays an important role in the regulation of copper homeostasis by controlling the abundance and cell membrane localization of copper transporter CTR1 (By similarity).

#### Cellular Location

Mitochondrion. Mitochondrion inner membrane; Single-pass membrane protein

#### Tissue Location

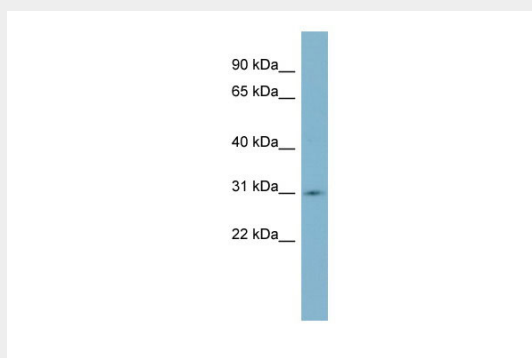
Predominantly expressed in tissues characterized by high rates of oxidative phosphorylation (OxPhos), including muscle, heart, and brain.

### SCO1 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SCO1 antibody - middle region - Images



WB Suggested Anti-SCO1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: Human heart

### SCO1 antibody - middle region - References

- Petruzzella V., et al. Genomics 54:494-504(1998).  
Horvath R., et al. Biochem. Biophys. Res. Commun. 276:530-533(2000).  
Peng Y., et al. Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.