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Datasheet for ABIN1536825  
**anti-SCO2 antibody (C-Term)**

1 Image

Overview

Quantity:	400 µL
Target:	SCO2
Binding Specificity:	AA 196-224, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCO2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SCO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 196-224 amino acids from the C-terminal region of human SCO2.
Clone:	RB30400
Isotype:	Ig Fraction
Predicted Reactivity:	B, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SCO2
Alternative Name:	SCO2 ( <a href="#">SCO2 Products</a> )

## Target Details

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Background:	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 encephalomyopathy.
Molecular Weight:	29810
Gene ID:	9997
NCBI Accession:	<a href="#">NP_001162580</a> , <a href="#">NP_001162581</a> , <a href="#">NP_001162582</a> , <a href="#">NP_005129</a>
UniProt:	<a href="#">O43819</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Warburg Effect</a>

## Application Details

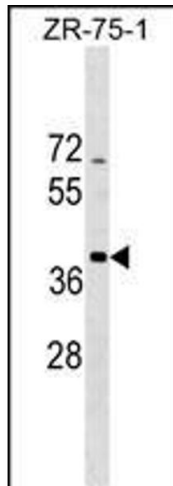
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Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	SCO2 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



### Western Blotting

**Image 1.** SCO2 Antibody (C-term) (ABIN1536825 and ABIN2849227) western blot analysis in ZR-75-1 cell line lysates (35 µg/lane). This demonstrates the SCO2 antibody detected the SCO2 protein (arrow).