

[Go to Product page](#)

## Datasheet for ABIN5517902 **anti-SC01 antibody (C-Term)**

### Overview

Quantity:	100 µL
Target:	SC01
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Guinea Pig, Rabbit, Horse, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SC01 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human SC01
Sequence:	PGPKDEDEDY IVDHTIIMYL IGPDGFLDY FGQNKRKGEI AASIATHMRP
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against SC01. It was validated on Western Blot.
Purification:	Affinity Purified

### Target Details

Target:	SC01
Alternative Name:	SC01 ( <a href="#">SC01 Products</a> )

## Target Details

**Background:** Mammalian cytochrome c oxidase (COX) catalyzes the transfer of reducing equivalents from cytochrome c to molecular oxygen and pumps protons across the inner mitochondrial membrane. In yeast, 2 related COX assembly genes, SCO1 and SCO2 (synthesis of cytochrome c oxidase), enable subunits 1 and 2 to be incorporated into the holoprotein. This gene is the human homolog to the yeast SCO1 gene.

Alias Symbols: SCO1, SCOD1,

Protein Interaction Partner: UBC,

Protein Size: 301

**Gene ID:** 6341

**UniProt:** [O75880](#)

**Pathways:** [Sensory Perception of Sound](#), [Transition Metal Ion Homeostasis](#), [Stem Cell Maintenance](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

## Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

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

**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:** -20 °C

**Storage Comment:** For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.