

Datasheet for ABIN3043305
anti-SYCP3 antibody (AA 18-223)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	SYCP3
Binding Specificity:	AA 18-223
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYCP3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Synaptonemal complex protein 3(SYCP3) detection. Tested with WB in Human.
Immunogen:	E.coli-derived human SCP3 recombinant protein (Position: E18-E223). Human SCP3 shares 72% and 73% amino acid (aa) sequences identity with mouse and rat SCP3, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Synaptonemal complex protein 3(SYCP3) detection. Tested with WB in Human.</p> <p>Gene Name: synaptonemal complex protein 3</p> <p>Protein Name: Synaptonemal complex protein 3</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	SYCP3
Alternative Name:	SYCP3 (SYCP3 Products)
Background:	<p>SYCP3, also known as COR1 or SCP3, is a protein that in humans is encoded by the SYCP3 gene. It is mapped to 12q23.2. This gene encodes an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. Mutations in this gene are associated with azoospermia in males and susceptibility to pregnancy loss in females. Alternate splicing results in multiple transcript variants that encode the same protein. SYCP3 has an essential meiotic function in human spermatogenesis that is compromised by the mutant protein by dominant-negative interference. SYCP3 is linked to inherited aneuploidy in female germ cells and provides a model system for studying age-dependent degeneration in oocytes.</p> <p>Synonyms: choline phosphotransferase 1 antibody chpt1 antibody COR 1 antibody COR1 antibody MGC71888 antibody RNASCP3 antibody SCP 3 antibody SCP-3 antibody SCP3 antibody SPGF4 antibody Sycp 3 antibody Sycp3 antibody SYCP3_HUMAN antibody Synaptonemal complex protein 3 antibody</p>
Gene ID:	50511

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for SCP3 is approximately 0.25 ng/lane under reducing conditions.</p> <p>Notes: Tested Species: Species with positive results.</p> <p>Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Anti-SCP3 Picoband antibody, All lanes: Anti SCP3 at 0.5ug/ml WB: Recombinant Human SCP3 Protein 0.5ng
Predicted bind size: 41KD Observed bind size: 41KD

Western Blotting

Image 2. Anti-SCP3 Picoband antibody, All lanes: Anti SCP3 at 0.5ug/ml WB: Whole Cell Lysate at 40ug Predicted bind size: 28KD Observed bind size: 28KD