

[Go to Product page](#)

## Datasheet for ABIN7449170 **anti-SMC2 antibody (AA 950-1000)**

### Overview

Quantity:	100 µg
Target:	SMC2
Binding Specificity:	AA 950-1000
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMC2 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Purpose:	Rabbit anti-SMC2 Antibody, Affinity Purified
Immunogen:	between AA 950 and 1000
Isotype:	IgG
Predicted Reactivity:	Mouse
Purification:	Affinity Purified

### Target Details

Target:	SMC2
Alternative Name:	SMC2 ( <a href="#">SMC2 Products</a> )
Background:	Background: Structural maintenance of chromosomes (SMC) proteins are part of the cohesin

## Target Details

and condensin multisubunit complexes that play a critical role in chromosome organization, segregation, gene regulation, and DNA repair. The core condensin complex includes a heterodimer of SMC2 and SMC4 that functions to create positively supercoiled loops for chromatin condensation and metaphase chromatid shaping. A function for condensin in the DNA damage checkpoint response and gene repression has also been suggested.

Gene ID: 10592

NCBI Accession: [NP\\_006435](#)

UniProt: [O95347](#)

## Application Details

Application Notes: 1:1,000 - 1:10,000

Restrictions: For Research Use only

## Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % 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

Expiry Date: 12 months