

[Go to Product page](#)

## Datasheet for ABIN7119560 **anti-SMC5 antibody**

### Overview

Quantity:	100 µg
Target:	SMC5
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMC5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	structural maintenance of chromosomes 5
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	SMC5
Alternative Name:	SMC5 ( <a href="#">SMC5 Products</a> )
Background:	Synonyms: KIAA0594, SMC5L1 Background: Core component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere

## Target Details

maintenance via recombination in ALT(alternative lengthening of telomeres) cell lines and mediates sumoylation of shelterin complex(telosome) components which is proposed to lead to shelterin complex disassembly in ALT-associated PML bodies(APBs). Required for recruitment of telomeres to PML nuclear bodies. Required for sister chromatid cohesion during prometaphase and mitotic progression, the function seems to be independent of SMC6. SMC5-SMC6 complex may prevent transcription of episomal DNA, such as circular viral DNA genome(PubMed:26983541).

Molecular Weight: 120-130 kDa

Gene ID: 23137

UniProt: [Q8IY18](#)

## Application Details

Application Notes: WB: 1:500-1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months