

Datasheet for ABIN7170874
anti-SMC6 antibody (AA 309-450)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	SMC6
Binding Specificity:	AA 309-450
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMC6 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Structural maintenance of chromosomes protein 6 protein (309-450AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SMC6
Alternative Name:	SMC6 (SMC6 Products)
Background:	Background: Core component of the SMC5-SMC6 complex, a complex involved in DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid

Target Details

homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere 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. SMC5-SMC6 complex may prevent transcription of episomal DNA, such as circular viral DNA genome (PubMed:26983541).

Aliases: FLJ22116 antibody, FLJ35534 antibody, hSMC6 antibody, SMC 6 antibody, SMC protein 6 antibody, SMC-6 antibody, SMC6 antibody, SMC6 protein antibody, SMC6 structural maintenance of chromosomes 6 like 1 antibody, SMC6_HUMAN antibody, Smc6l1 antibody, Structural maintenance of chromosomes 6 antibody, Structural maintenance of chromosomes 6 like 1 antibody, Structural maintenance of chromosomes protein 6 antibody

UniProt: [Q96SB8](#)

Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

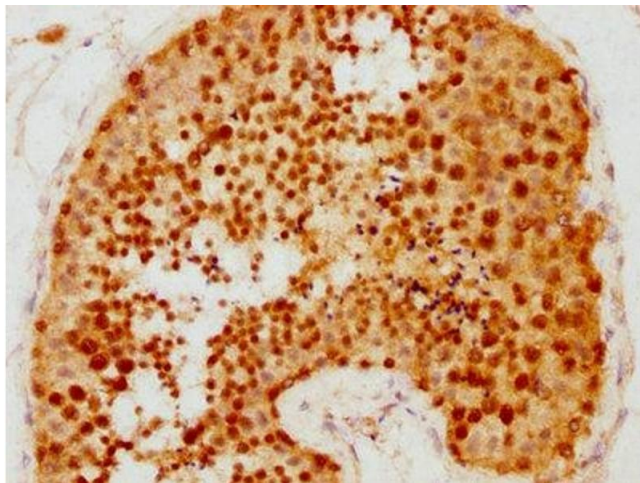
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7170874 diluted at 1:400 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.