Datasheet for ABIN7170872

anti-SMC5 antibody (AA 296-403) (FITC)

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Overview

Quantity:	100 µg
Target:	SMC5
Binding Specificity:	AA 296-403
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMC5 antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human Structural maintenance of chromosomes protein 5 protein (296-403AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SMC5
Alternative Name:	SMC5 (SMC5 Products)
Background:	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

Target Details

	chromatid 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. 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). Aliases: SMC5 antibody, KIAA0594 antibody, SMC5L1 antibody, Structural maintenance of chromosomes protein 5 antibody, SMC protein 5 antibody, SMC-5 antibody, hSMC5 antibody
UniProt:	Q8IY18

Application Details

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.