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Datasheet for ABIN7119188 anti-SMC6 antibody

Overview

Quantity:	100 µg
Target:	SMC6
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMC6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	structural maintenance of chromosomes 6
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	SMC6
Alternative Name:	SMC6 (SMC6 Products)
Background:	Synonyms:SMC6L1 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 homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via

Target Details

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).

Molecular Weight: 130 kDa

Gene ID: 79677

UniProt: [Q96SB8](#)

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