

# anti- SMC5 antibody

#### **Product Information**

Catalog No.: FNab08019

Size: 100μg Form: liquid

Purification: Immunogen affinity purified

Purity: ≥95% as determined by SDS-PAGE

Host: Rabbit

Clonality: polyclonal

Clone ID: None IsoType: IgG

Storage: PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12

months (Avoid repeated freeze / thaw cycles.)

### **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 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).

# **Immunogen information**

Immunogen: structural maintenance of chromosomes 5

Synonyms: KIAA0594, SMC5L1

Observed MW: 120-130 kDa

UniprotID: Q8IY18

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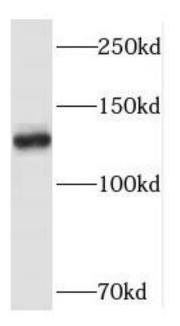
# **Application**

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



HeLa cells were subjected to SDS PAGE followed by western blot with FNab08019(SMC5 antibody) at dilution of 1:500