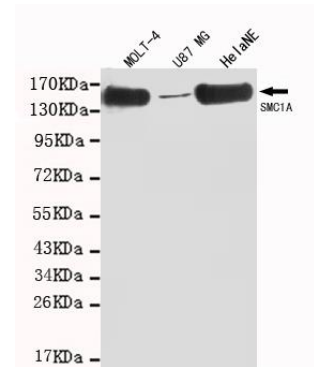


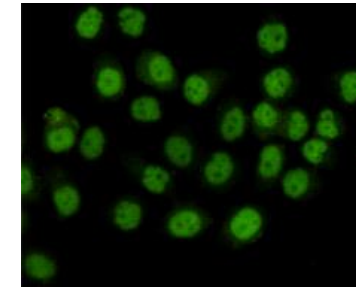
## Anti-SMC1A Antibody (4C5-C8-A11)

<b>CATALOG NO:</b>	A1337-100
<b>AMOUNT:</b>	100 µg
<b>ALTERNATIVE NAMES:</b>	Structural maintenance of chromosomes protein 1A, SMC protein 1A, SMC-1-alpha, SMC-1A, Sb1.8, SMC1A
<b>CLONALITY:</b>	Monoclonal
<b>CLONE:</b>	4C5-C8-A11
<b>Host/ISOTYPE:</b>	Mouse IgG1
<b>IMMUNOGEN:</b>	Recombinant human SMC1A (C-term) protein fragments expressed in <i>E.coli</i>
<b>MOLECULAR WEIGHT:</b>	143 kDa
<b>SPECIES REACTIVITY:</b>	Human
<b>SPECIFICITY:</b>	This antibody detects endogenous levels of SMC1A and does not cross-react with related proteins.
<b>PURIFICATION:</b>	Affinity purified
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	Purified mouse monoclonal in PBS (pH 7.4) containing with 0.02% sodium azide and 50% glycerol
<b>STORAGE CONDITIONS:</b>	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>DESCRIPTION:</b>	Involved in chromosome cohesion during cell cycle and in DNA repair. Central component of cohesin complex. The cohesin complex is required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and dissociates from chromatin, allowing sister chromatids to segregate. The cohesin complex may also play a role in spindle pole assembly during mitosis.
<b>APPLICATION:</b>	WB; 1:1000 IF; 1:100

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



**Western blot detection of SMC1A (C-term) in MOLT-4, U87 MG and HeLa NE cell lysates using SMC1A (C-terminus) Antibody**



**Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-SMC1A Antibody**

### RELATED PRODUCTS:

- Anti-Cathepsin H Antibody (Cat. No. A1250)
- Anti-IDH3 gamma Antibody (Cat. No. A1225)
- Anti-GPT/ALT1 Antibody (Cat. No. A1271)
- Anti-NAMPT Antibody (14A5) (Cat. No. A1301)

**FOR RESEARCH USE ONLY! Not to be used on humans.**