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anti-SMC5 antibody (AA 872-1101)

Images

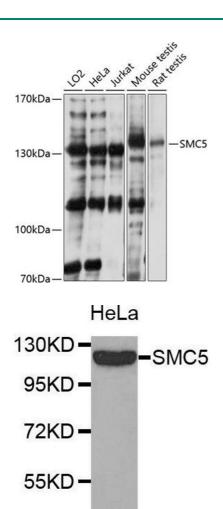


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Quantity:	100 μg
Target:	SMC5
Binding Specificity:	AA 872-1101
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMC5 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 872-1101 of human SMC5 (NP_055925.2).
Sequence:	LTEERSRASC FTGLNPTIVQ EYTKREEEIE QLTEELKGKK VELDQYRENI SQVKERWLNP LKELVEKINE KFSNFFSSMQ CAGEVDLHTE NEEDYDKYGI RIRVKFRSST QLHELTPHHQ SGGERSVSTM LYLMALQELN RCPFRVVDEI NQGMDPINER RVFEMVVNTA CKENTSQYFF ITPKLLQNLP YSEKMTVLFV YNGPHMLEPN TWNLKAFQRR RRRITFTQPS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SMC5
Alternative Name:	SMC5 (SMC5 Products)
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.,SMC5,SMC5L1,Epigenetics & Nuclear Signaling,Cell Biology
	& Developmental Biology,Cell Cycle,SMC5
Molecular Weight:	128 kDa
Gene ID:	23137
UniProt:	Q8IY18
Application Details	
Application Notes:	WB,1:1000 - 1:3000
Restrictions:	For Research Use only
Handling	
Buffer:	PBS with 0.02 % sodium azide,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:	Store at -20°C. Avoid freeze / thaw cycles.



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Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using SMC5 antibody (ABIN1682829, ABIN3015966, ABIN3015967 and ABIN6219480) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

Western Blotting

Image 2.