
Product Name: SMC3 Rabbit Monoclonal Antibody**Catalog #: AMRe83913**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ICC,FC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.39mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:2000,IHC 1:100-1:200,ICC/IF 1:50-1:200,ICC 1:50-1:200,FC 1:20-1:100
Molecular Weight	Calculated MW: 142 kDa ; Observed MW: 141 kDa

Antigen Information

Gene Name	SMC3
Alternative Names	SMC protein 3; Bamacan; SMC3; BAM; BMH; CSPG6; SMC3L1;;SMC3
Gene ID	
SwissProt ID	Q9UQE7
Immunogen	A synthesized peptide derived from human SMC3

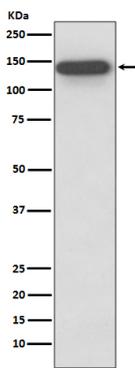
Background

Central component of cohesin, a complex required for chromosome cohesion during the cell cycle. The cohesin complex may form a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and

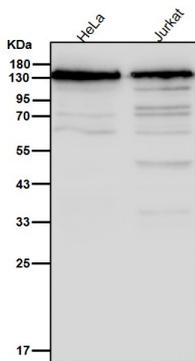
dissociates from chromatin, allowing sister chromatids to segregate. Cohesion is coupled to DNA replication and is involved in DNA repair. The cohesin complex also plays an important role in spindle pole assembly during mitosis and in chromosomes movement.

Research Area

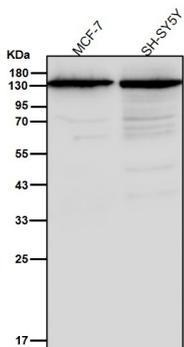
Image Data



Western blot analysis of SMC3 expression in HeLa cell lysate.

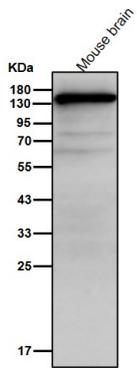


All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

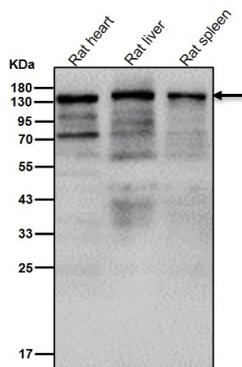


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Immunofluorescent analysis of Hela cells, using ERK1/2 Antibody.

