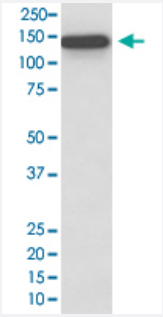
SMC3 monoclonal antibody, clone AACO-19

Catalog # MAB20723 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with SMC3 monoclonal antibody, clone AACO-19 (Cat # MAB20723).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human SMC3.
Immunogen	A synthetic peptide corresponding to human SMC3.
Host	Rabbit
Theoretical MW (kDa)	141.542
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence
- Immunocytochemistry
- Flow Cytometry
- Western Blot (Cell lysate)

  Western Blot analysis of HeLa cell lysate with SMC3 monoclonal antibody, clone AACO-19 (Cat # MAB20723).

Gene Info — SMC3

Entrez GeneID	9126
Protein Accession#	Q9UQE7
Gene Name	SMC3
Gene Alias	BAM, BMH, CDLS3, CSPG6, HCAP, SMC3L1
Gene Description	structural maintenance of chromosomes 3
Omim ID	606062 610759
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the SMC3 subfamily of SMC proteins. The encoded protein occurs in certain cell types as either an intracellular, nuclear protein or a secreted protein. The nuclear form, known as structural maintenance of chromosomes 3, is a component of the multimeric cohesin complex that holds together sister chromatids during mitosis, enabling proper chromosome segregation. Post-translational modification of the encoded protein by the addition of chondroitin sulfate chains gives rise to the secreted proteoglycan bamacan, an abundant basement membrane protein. [provided by RefSeq

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Other Designations	OTTHUMP00000020477|bamacan proteoglycan|basement membrane-associated chondroitin proteoglycan|chondroitin sulfate proteoglycan 6 (bamacan)|chromosome-associated polypeptide

Pathway

- Cell cycle

Disease

- Alzheimer Disease
- De Lange Syndrome
- Genetic Predisposition to Disease

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