

SMC3 rabbit monoclonal antibody

Catalog # H00009126-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SMC3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SMC3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SMC3 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SMC3

Entrez GeneID	9126
GeneBank Accession#	SMC3
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]
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](#)