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Datasheet for ABIN713966 **anti-SMC3 antibody (AA 951-1050)**

Overview

Quantity:	100 µL
Target:	SMC3
Binding Specificity:	AA 951-1050
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMC3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SMC3/CSPG6
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SMC3
Alternative Name:	SMC3 (SMC3 Products)

Target Details

Background:	<p>Synonyms: BAM, Bamacan, Basement membrane associated chondroitin proteoglycan, Basement membrane-associated chondroitin proteoglycan, BMH, CDLS3, chondroitin sulfate proteoglycan 6 bamacan, Chondroitin sulfate proteoglycan 6, Chromosome associated polypeptide, Chromosome-associated polypeptide, CSPG 6, CSPG6, hCAP, SMC 3, SMC protein 3, SMC-3, smc3, SMC3_HUMAN, SMC3L1, Structural maintenance of chromosome 3, Structural maintenance of chromosomes 3, Structural maintenance of chromosomes protein 3.</p> <p>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 plays also an important role in spindle pole assembly during mitosis and in chromosomes movement.</p>
Gene ID:	9126
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	<p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months