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Structural Maintenance of Chromosomes-1 Phosphorylated Antibody (Serine 966) (SMC1)

Catalog No.: 15-288-22562F

Quantity: 0.1 mg

Background: Involved in chromosome cohesion during cell cycle and in DNA repair. Central component of cohesin complex. The cohesin complex is required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms 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. The cohesin complex may also play a role in spindle pole assembly during mitosis. Involved in DNA repair via its interaction with BRCA1 and its related phosphorylation by ATM, and works as a downstream effector in the ATM/NBS1 branch of S-phase checkpoint.

Host / Isotype: Chicken

Immunogen: Rabbits were immunized with a phosphorylated synthetic peptide, which represented the portion of human Structural Maintenance of Chromosomes-1 (LocusLink ID 8243) around Serine 966. Antibodies that were not phospho-specific were removed by solid phase abs

Format: **State:** Liquid

Applications: IP, WB
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody reacts with Homo sapiens. Other species have not been tested.

Storage: Keep as concentrated solution, aliquot and store at 4