

## SMC1 (Phospho-Ser957) Conjugated Antibody

Catalog No: #C14190



Package Size: #C14190-AF350 100ul #C14190-AF405 100ul #C14190-AF488 100ul #C14190-AF555 100ul #C14190-AF594 100ul #C14190-AF647 100ul #C14190-AF680 100ul #C14190-AF750 100ul #C14190-Biotin 100ul #C14190-Conjugated 50ul

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## Description

Product Name	SMC1 (Phospho-Ser957) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB, IF
Species Reactivity	Human
Specificity	Phospho-SMC1 (S957) Antibody detects endogenous levels of Phospho-SMC1 (S957)
Immunogen Description	A synthesized peptide derived from human Phospho-SMC1 (S957)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	SB1.8/DXS423E protein; SM1A; SMC1A; SMC1L1; SMC1alpha protein; Sb1.8;
Accession No.	Uniprot:Q14683
Calculated MW	160kDa
Storage	Store at 4°C in dark for 6 months

## Application Details

WB: 1:50-1:200

IF:1:50-1:200

## Product Description

Structural maintenance of chromosomes 1 (SMC1) protein is a chromosomal protein member of the cohesin complex that enables sister chromatid cohesion and plays a role in DNA repair. ATM/NBS1-dependent phosphorylation of SMC1 occurs at Ser957 and Ser966 in response to ionizing radiation (IR) as part of the intra-S-phase DNA damage checkpoint. SMC1 phosphorylation is ATM-independent in cells subjected to other forms of DNA damage, including UV light and hydroxyurea treatment.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.