

Datasheet for ABIN7170862
anti-SMC2 antibody (AA 861-968)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	SMC2
Binding Specificity:	AA 861-968
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMC2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Structural maintenance of chromosomes protein 2 protein (861-968AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SMC2
Alternative Name:	SMC2 (SMC2 Products)
Background:	Background: Central component of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex

Target Details

probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases.

Aliases: CAP E antibody, CAPE antibody, Chromosome associated protein E antibody, Chromosome-associated protein E antibody, FLJ10093 antibody, hCAP E antibody, hCAP-E antibody, hCAPE antibody, PRO0324 antibody, SMC 2 antibody, SMC protein 2 antibody, SMC-2 antibody, SMC2 antibody, SMC2 L1 antibody, SMC2_HUMAN antibody, SMC2L1 antibody, Structural maintenance of chromosomes (SMC) family member chromosome associated protein E antibody, Structural maintenance of chromosomes 2 antibody, Structural maintenance of chromosomes 2 like 1 antibody, Structural maintenance of chromosomes 2 yeast like 1 antibody, Structural maintenance of chromosomes protein 2 antibody, XCAP E homolog antibody, XCAP-E homolog antibody, XCAPE homolog antibody

UniProt: [O95347](#)

Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

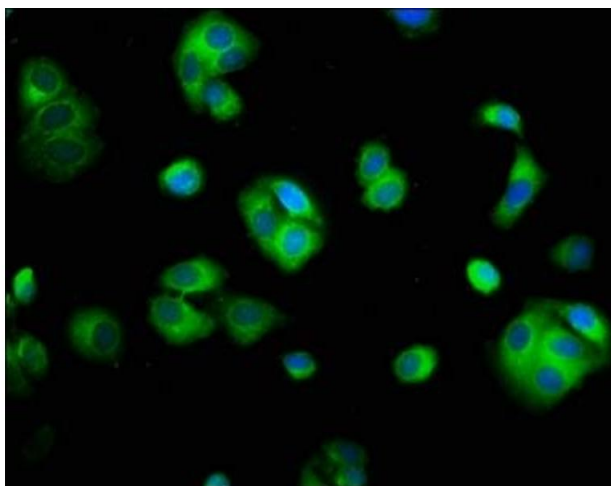
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7170862 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).