

For Research Use Only

# SMC4 Polyclonal antibody, PBS Only

Catalog Number: 24758-1-PBS

Featured Product



## Basic Information

Catalog Number:

24758-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19156

GenBank Accession Number:

BC106033

GeneID (NCBI):

10051

UNIPROT ID:

Q9NTJ3

Full Name:

structural maintenance of  
chromosomes 4

Calculated MW:

1288 aa, 147 kDa

Observed MW:

147-150 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

SMC4, also named as Structural maintenance of chromosomes protein 4, is a 1288 amino acid protein, which is widely expressed and belongs to the SMC family, SMC4 subfamily. SMC4 is a Central component of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The calculated molecular weight of SMC4 is 147 kDa, but modified SMC4 is about 160 kDa.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

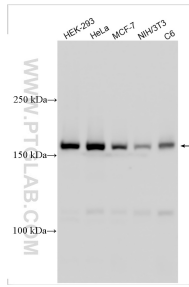
T: 4006900926

E: Proteintech-CN@ptglab.com

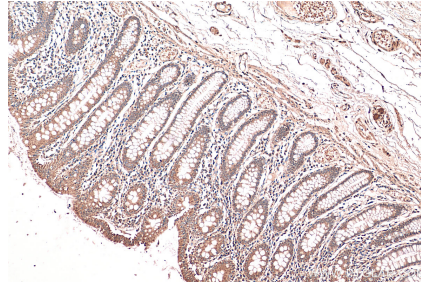
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

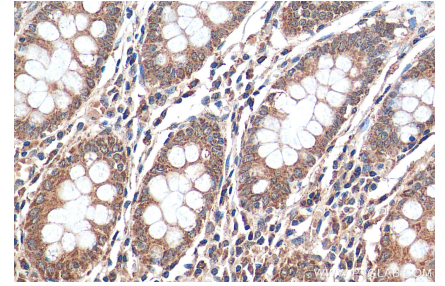
## Selected Validation Data



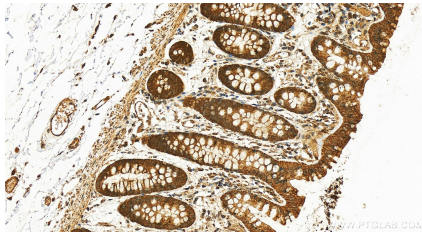
Various lysates were subjected to SDS PAGE followed by western blot with 24758-1-AP (SMC4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24758-1-PBS in a different storage buffer formulation.



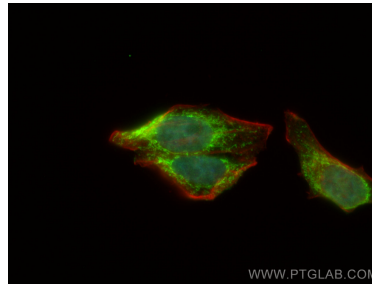
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 24758-1-AP (SMC4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24758-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 24758-1-AP (SMC4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24758-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 24758-1-AP (SMC4 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24758-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SMC4 antibody (24758-1-AP) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 24758-1-PBS in a different storage buffer formulation.