

For Research Use Only

# SMC3 Polyclonal antibody

Catalog Number: 14185-1-AP

5 Publications



## Basic Information

Catalog Number:

14185-1-AP

Concentration:

200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5440

GenBank Accession Number:

BC047324

GeneID (NCBI):

9126

UNIPROT ID:

Q9UQE7

Full Name:

structural maintenance of  
chromosomes 3

Calculated MW:

142 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, ColP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

Positive Controls:

WB : HeLa cells, Jurkat cells, mouse brain tissue

IHC : human stomach tissue,

IF/ICC : HeLa cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Marianna Naki	35563580	Int J Mol Sci	ColP
Olga Gourdomichali	35205152	Biology (Basel)	WB
Shichao Han	39819270	Curr Eye Res	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

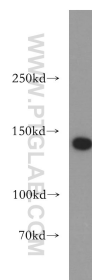
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

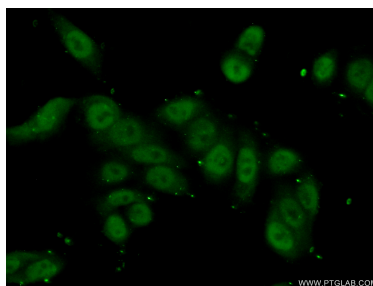
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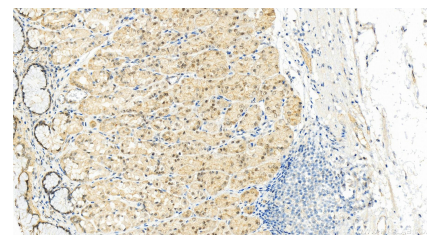
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 14185-1-AP (SMC3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 14185-1-AP (SMC3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 14185-1-AP (SMC3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).