

## Phospho-SMC1-S957 Monoclonal Antibody

CABP1145

### Description

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This Phospho-SMC1-S957 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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|----------------------|--|
| <b>SKU:</b>          | CABP1145   |
| <b>Contents:</b>     | 20 µL, 100 µL<br>Bradford Reagent: 1 vial (2ml)  |
| <b>Category:</b>     | Monoclonal Antibody  |
| <b>Synonyms:</b>     | SMC1, SMCB, CDLS2, DEE85, SB1.8, EIEE85, SMC1L1, DKS423E, SMC1alpha, Phospho-SMC1-S957   |
| <b>Clone:</b>        | ARC1606  |
| <b>Applications:</b> | <span style="background-color: red; color: white; padding: 2px 5px;">WB</span> <span style="background-color: #6699CC; color: white; padding: 2px 5px;">IHC-P</span> <span style="background-color: #3CB371; color: white; padding: 2px 5px;">ELISA</span> |
| <b>Conjugation:</b>  | Unconjugated   |
| <b>Reactivity:</b>   | Human, Mouse, Rat  |

### Antibody Data

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|-----------------------|-----------------------|
| <b>Gene ID:</b>       | 8243                  |
| <b>Uniprot:</b>       | AB_2864010            |
| <b>Host Species:</b>  | Rabbit                |
| <b>Purification:</b>  | Affinity purification |
| <b>Observed MW:</b>   | 160kDa                |
| <b>Calculated MW:</b> | 143kDa                |

## Preparation & Storage

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**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

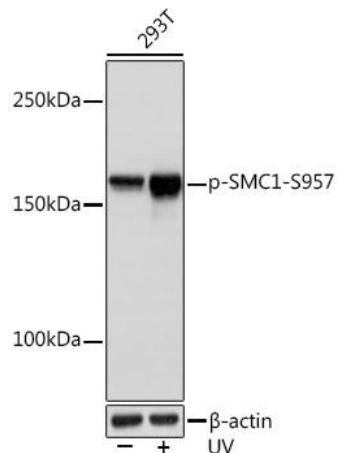
**Positive Sample:** 293T treated with UV, NIH/3T3 treated with UV

|                               |              |   |
|-------------------------------|--------------|---|
| <b>Recommended Dilutions:</b> | <b>WB</b>    | 1:500 - 1:2000  |
|                               | <b>IHC-P</b> | 1:50 - 1:200  |
|                               | <b>ELISA</b> | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

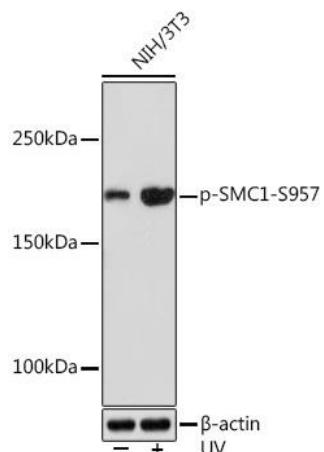
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

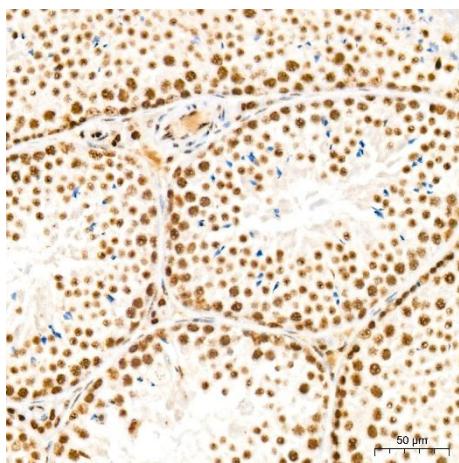
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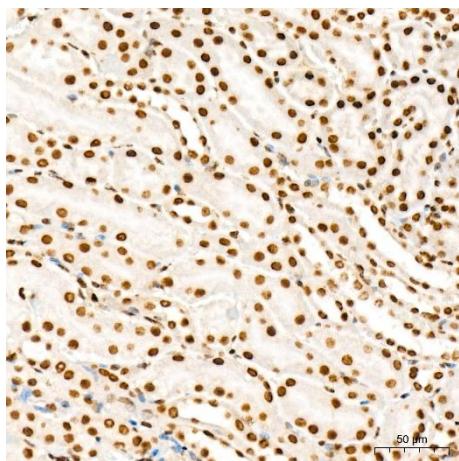
Western blot analysis of lysates from 293T cells, using Phospho-- Rabbit mAb (CABP1145) at 1:1000 dilution. 293T cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-- Rabbit mAb (CABP1145) at 1:1000 dilution. NIH/3T3 cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% BSA. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 3min.



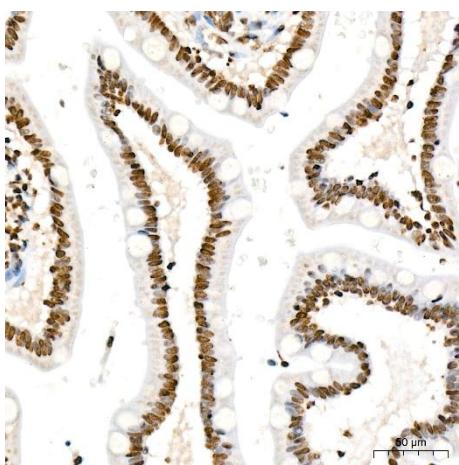
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Phospho-- Rabbit mAb (CABP1145) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Phospho-- Rabbit mAb (CABP1145) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Phospho-- Rabbit mAb (CABP1145) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human small intestine tissue using Phospho-- Rabbit mAb (CABP1145) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.