

# Product Datasheet

## SMC3 [p Ser103] Antibody - BSA Free NBP2-37694

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NBP2-37694**

SMC3 [p Ser103] Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

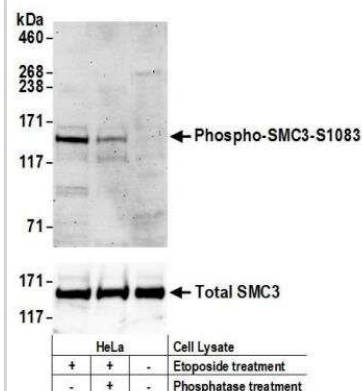
Product Description	
Description	Novus Biologicals Rabbit SMC3 [p Ser103] Antibody - BSA Free (NBP2-37694) is a polyclonal antibody validated for use in WB and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9126
Gene Symbol	SMC3
Species	Human
Immunogen	This antibody maps to a region between residue This antibody maps to a region surrounding residue 1083 when Serine 1083 is phosphorylated of human Structural Maintenance of Chromosomes 3 using the numbering given in SwissProt entry Q9UQE7 (GeneID 9126). of human Structural Maintenance of Chromosome 3 using the numbering given in entry NP_005436.1 (GeneID 9126).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500 - 1:2500, Immunoprecipitation 2 - 10 ug/mg lysate
Application Notes	Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

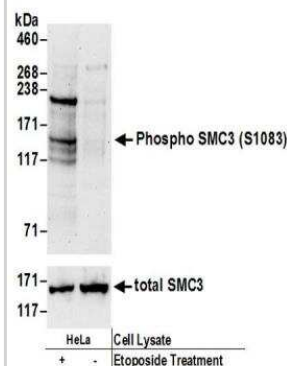


## Images

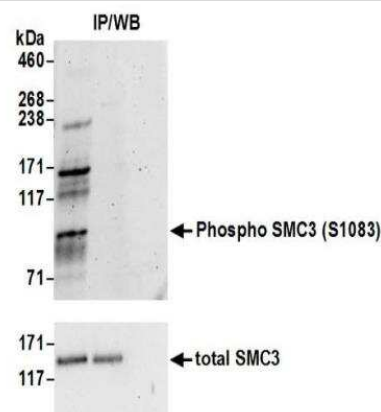
Western Blot: SMC3 [p Ser103] Antibody [NBP2-37694] - Detection of human Phospho SMC3 (S1083) by western blot (WB). Samples: Whole cell lysate (50 ug) from HeLa cells treated with 100 uM EPE and/or 100 uM phosphatase for 4 hours (+) or mock treated (-) cells. Antibodies: Affinity purified rabbit anti-Phospho SMC3 (S1083) antibody NBP2-37694 used for WB at 1 ug/ml (upper panel); to detect total SMC3, another rabbit anti-SMC3 was used for WB at 0.1 ug/ml (lower panel). Detection: Chemiluminescence with an exposure time of 3 minutes (upper panel) or 10 seconds (lower panel).



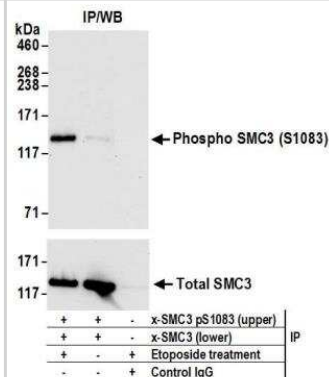
Western Blot: SMC3 [p Ser103] Antibody [NBP2-37694] - Whole cell lysate (50 ug) from HeLa cells treated with 500 uM EPE for 4 hours (+) or mock treated (-) cells. Affinity purified rabbit anti-Phospho SMC3 (S1083) antibody used for WB at 1 ug/ml (upper panel); to detect total SMC3, rabbit anti-SMC3 was used for WB at 0.1 ug/ml (lower panel). Detection: Chemiluminescence with an exposure time of 3 minutes (upper panel) or 30 seconds (lower panel).



Immunoprecipitation: SMC3 [p Ser103] Antibody [NBP2-37694] - Whole cell lysate (1mg for IP; 20% of IP loaded) from HeLa cells treated with 500 uM EPE for 4 hours (+). Antibodies: Phospho SMC3 was immunoprecipitated (IP) using rabbit anti-Phospho SMC3 (S1083) antibody. The IP reactions were either mock treated (-) or treated with phosphatases (+). Affinity purified rabbit anti-Phospho SMC3 (S1083) antibody was used for western blot (WB) of IPs at 1 ug/ml (upper panel); to detect total SMC3 affinity purified rabbit anti-SMC3 was used for WB of IPs at 0.1 ug/ml (lower panel). Detection: Chemiluminescence with an exposure time of 3 minutes (upper panel) and 30 seconds (lower panel).



SMC3 [p Ser103] Antibody [NBP2-37694] - Detection of human Phospho SMC3 (S1083) by western blot of immunoprecipitates. Samples: Whole cell lysate (1mg for IP; 20% of IP loaded) from HeLa cells treated with 100 uM EPE for 4 hours (+) or mock treated (-). Antibodies: Phospho SMC3 (S1083) was immunoprecipitated using rabbit anti-Phospho SMC3 (S1083) antibody NBP2-37694 at 6 ug per reaction. Total SMC3 was immunoprecipitated with another rabbit anti-SMC3 antibody. Detection: Chemiluminescence with an exposure time of 10 seconds.





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### **Products Related to NBP2-37694**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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