

# Product Datasheet

## SMC4 Antibody - BSA Free

### NB100-374

Unit Size: 100 ul

Store at 4C. Do not freeze.

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#### Publications: 1

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**NB100-374**

SMC4 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)

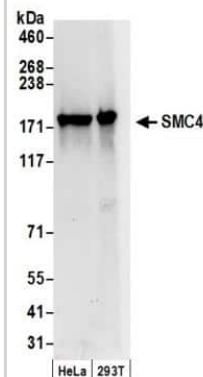
Product Description	
Description	Novus Biologicals Rabbit SMC4 Antibody - BSA Free (NB100-374) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-SMC4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10051
Gene Symbol	SMC4
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residues 600 and 650 of human Structural Maintenance of Chromosomes 4 using the numbering given in entry NP_005487.2 (GeneID 10051).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunocytochemistry/ Immunofluorescence 1:500 - 1:2000
Application Notes	Immunofluorescence and Western Blot: The investigator should determine the optimal working dilution for a specific application.

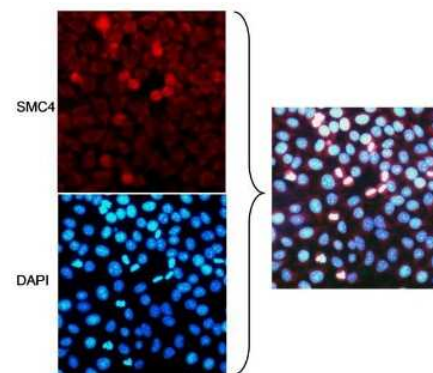


## Images

Western Blot: SMC4 Antibody [NB100-374] - Detection of Human SMC4 by Western Blot. Samples: Whole cell lysate (50 ug) from HeLa and 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SMC4 antibody NB100-374 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



Immunocytochemistry/Immunofluorescence: SMC4 Antibody [NB100-374] - HeLa cells grown on coverslips, fixed with methanol/acetone and blocked with 3% BSA in PBS. Antibody used at 5 ug/ml. Detection: Rhodamine labeled anti-rabbit secondary antibody. Cells were counterstained with DAPI.



Western Blot: SMC4 Antibody [NB100-374] - Whole cell lysate (90 ug) from 293T cells (lane 1), SMC4 transfected 239T cells (lane 2) or normal human lymphoblasts (lane 3) separated on an 8% SDS-PAGE gel. Antibody used at 0.2 ug/ml and goat anti-rabbit HRP used at a dilution of 1:20,000.



## Publications

Longworth MS, Herr A, Ji JY et al. RBF1 promotes chromatin condensation through a conserved interaction with the Condensin II protein dCAP-D3. *Genes Dev* 2008-04-01 [PMID: 18367646]



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### **Products Related to NB100-374**

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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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