

Product Datasheet

SMC4 Antibody - BSA Free

NB100-375

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-375

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

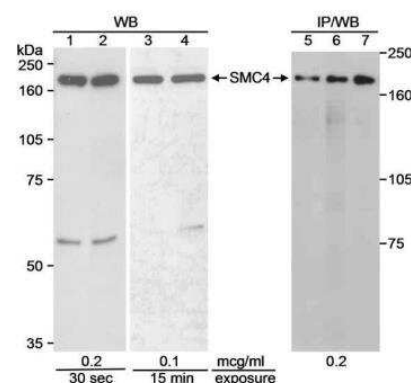
Host	Rabbit
Gene ID	10051
Gene Symbol	SMC4
Species	Human
Immunogen	A synthetic peptide, which represented a portion of human structural maintenance of chromosomes 4 encoded within exon 23 (LocusLink ID 10051). According to Swiss-Prot entry Q9NTJ3, the peptide is near the C-terminus.

Product Application Details

Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunohistochemistry 1:200-1:400, Immunocytochemistry/ Immunofluorescence 1:200 - 1:400, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:200-1:400
Application Notes	NB 100-375 may be used for Western Blot, where a band at ~170 kDa is seen, representing SMC4 protein.

Images

Western Blot: SMC4 Antibody [NB100-375] - Whole cell lysate (90 mcg for WB; 0.5 mg for IP/WB) from 293T cells (lanes 1, 3 and 5), normal human lymphoblasts (lane 2) or SMC4 transfected 293T cells (lanes 4, 6 and 7) separated on an 8% SDS-PAGE gel. Affinity purified rabbit anti-SMC4 used at 0.2 or 0.1 mcg/ml for WB and 5 mcg for IP.

**Publications**

Kouznetsova A, Novak I, Jessberger R et al. SYCP2 and SYCP3 are required for cohesin core integrity at diplotene but not for centromere cohesion at the first meiotic division. J Cell Sci 2005-05-01 [PMID: 15870106]

Wood JL, Liang Y, Li K et al. Microcephalin/MCPH1 associates with the Condensin II complex to function in homologous recombination repair. J Biol Chem 2008-10-01 [PMID: 18718915]



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Products Related to NB100-375

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB100-56394PEP	SMC4 Antibody Blocking Peptide

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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