

Product Datasheet

NCAPG2 Antibody NB100-1813

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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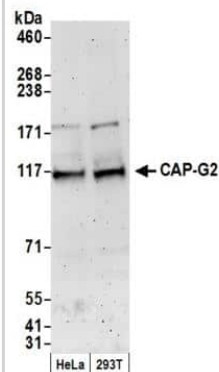
NB100-1813

NCAPG2 Antibody

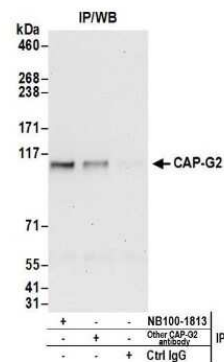
Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA
Target Molecular Weight	131 kDa
Product Description	
Host	Rabbit
Gene ID	54892
Gene Symbol	NCAPG2
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1100 and the C-terminus (residue 1143) of human Chromosome-Associated Protein G2 using the numbering given in entry AAH43404.1 (GeneID 54892).
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2 - 10 ug/mg of lysate
Application Notes	Use in ICC/IF reported in scientific literature (PMID: 30143891). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

Images

Western Blot: NCAPG2 Antibody [NB100-1813] - Detection of Human CAP-G2 by Western Blot. Samples: Whole cell lysate (50 ug) from HeLa and 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CAP-G2 antibody NB100-1813 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunoprecipitation: NCAPG2 Antibody [NB100-1813] - Detection of human CAP-G2 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CAP-G2 antibody NB100-1813 used for IP at 6 ug per reaction. CAP-G2 was also immunoprecipitated by another rabbit anti-CAP-G2 antibody. For blotting immunoprecipitated CAP-G2, NB100-1813 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Publications

Feng Z, Zhang L, Liu Y, Zhang W NCAPG2 contributes to the progression of malignant melanoma through regulating proliferation and metastasis *Biochemistry and cell biology = Biochimie et biologie cellulaire* 2022-10-20 [PMID: 36265182]

Sun M, Biggs R, Hornick J et al. Condensin controls mitotic chromosome stiffness and stability without forming a structurally contiguous scaffold *Chromosome Res.* 2018-08-24 [PMID: 30143891] (ICC/IF, Human)

Kim JH, Shim J, Ji MJ et al. The condensin component NCAPG2 regulates microtubule-kinetochore attachment through recruitment of Polo-like kinase 1 to kinetochores. *Nat Commun.* 2014-08-11 [PMID: 25109385]



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Products Related to NB100-1813

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-86633PEP	NCAPG2 Recombinant Protein Antigen

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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