

# Product Datasheet

## CASC5 Antibody - BSA Free

### NB100-2586

Unit Size: 100 ul

Store at 4C. Do not freeze.

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#### Publications: 3

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**NB100-2586**

CASC5 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)

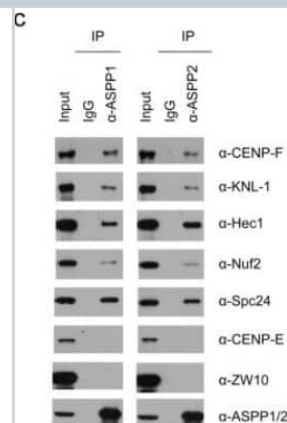
Product Description	
Description	Novus Biologicals Rabbit CASC5 Antibody - BSA Free (NB100-2586) is a polyclonal antibody validated for use in WB, ICC/IF and IP. Anti-CASC5 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	57082
Gene Symbol	KNL1
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 300 and 350 of human Cancer Susceptibility Candidate 5 using the numbering given in entry NP_733468.2

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-10 ug/mg lysate
Application Notes	Use in ICC/IF was reported in scientific literature (PMID: 29497093).

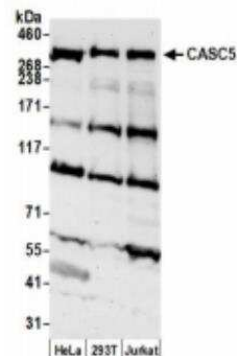


## Images

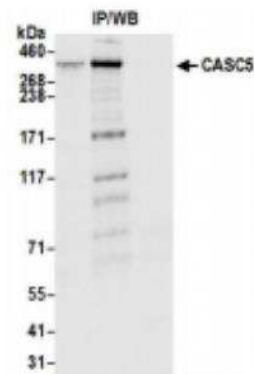
Western Blot: CASC5 Antibody [NB100-2586] - ASPP1/2 interact with multiple kinetochore components. Endogenous ASPP1/2 interact with multiple kinetochore components. Immunoprecipitation with anti-ASPP1 or ASPP2 antibodies were performed using cell lysates prepared from HeLa cells. The presence of kinetochore components in the immunoprecipitates was detected by WB analyses with their indicated antibodies. Image collected and cropped by CiteAb from the following publication (<https://www.oncotarget.com/fulltext/6355>), licensed under a CC-BY license.



Western Blot: CASC5 Antibody [NB100-2586] - Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CASC5 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



Immunoprecipitation: CASC5 Antibody [NB100-2586] - Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CASC5 antibody used for IP at 6 ug per reaction. CASC5 was also immunoprecipitated by a previous lot of this antibody. For blotting immunoprecipitated CASC5, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



## Publications

Song X, Conti D, Shrestha RL Et al. Counteraction between Astrin-PP1 and Cyclin-B-CDK1 pathways protects chromosome-microtubule attachments independent of biorientation Nature communications 2021-12-01 [PMID: 34853300] (ICC/IF, Human)

Itoh Go, Ikeda Masanori, Iemura Kenji et al. Lateral attachment of kinetochores to microtubules is enriched in prometaphase rosette and facilitates chromosome alignment and bi-orientation establishment. Medicine 2018-03-01 [PMID: 29497093] (ICC/IF, Human)

Zhang P, Zhang Y, Gao K et al. ASPP1/2-PP1 complexes are required for chromosome segregation and kinetochore-microtubule attachments. Oncotarget 2015-12-08 [PMID: 26595804] (IP)



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### **Products Related to NB100-2586**

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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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