

Product Datasheet

CASC5 Antibody - BSA Free

NB100-2586

Unit Size: 100 ul

Store at 4C. Do not freeze.

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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) |

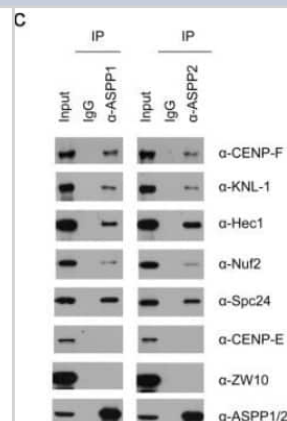
| Product Description | |
|---------------------|--|
| Description | Novus Biologicals Rabbit CASC5 Antibody - BSA Free (NB100-2586) is a polyclonal antibody validated for use in WB, ICC/IF and IP. Anti-CASC5 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% 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). |

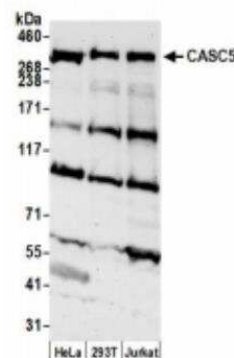


Images

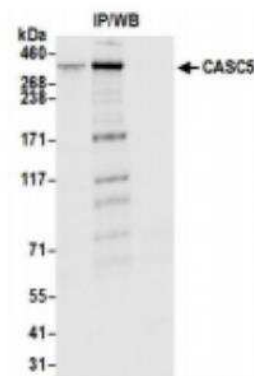
Western Blot: CASC5 Antibody [NB100-2586] - ASPP1/2 interact with multiple kinetochore components. Endogenous ASPP1/2 interact with multiple kinetochore components. Immunoprecipitation with anti-ASPP1 or ASPP2 antibodies were performed using cell lysates prepared from HeLa cells. The presence of kinetochore 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

| | |
|--------------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| H00057082-Q01-10ug | Recombinant Human CASC5 GST (N-Term) Protein |

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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