

# Product Datasheet

## APRIN Antibody NB100-755

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 5

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**NB100-755**

## APRIN 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

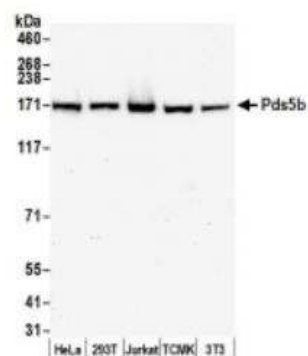
Product Description	
Description	Novus Biologicals Rabbit APRIN Antibody (NB100-755) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-APRIN Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23047
Gene Symbol	PDS5B
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1400 and the C-terminus (residue 1447) of human Precocious Dissociation of Sisters-5B using the numbering given in entry CAB69911.1 (GeneID 23047).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:100-1:500, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:100-1:500, Knockdown Validated
Application Notes	Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

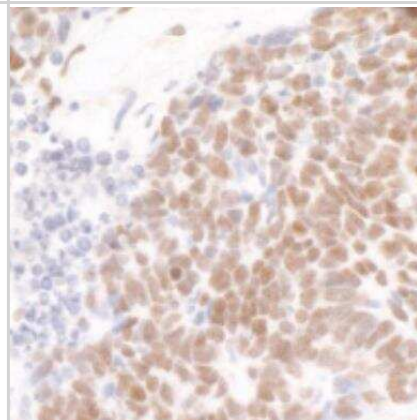


## Images

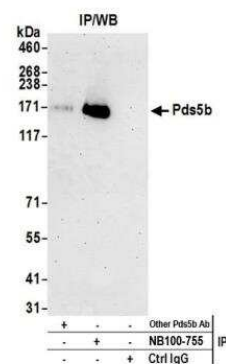
Western Blot: APRIN Antibody [NB100-755] - Whole cell lysate (50 ug) from HeLa, 293T, Jurkat, mouse TCMK-1, and mouse NIH3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit antiPds5b antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds



Immunohistochemistry-Paraffin: APRIN Antibody [NB100-755] - Section of human lung small cell carcinoma. Antibody: Affinity purified rabbit anti-Pds5B used at a dilution of 1:200 (1ug/ml). Detection: DAB



Immunoprecipitation: APRIN Antibody [NB100-755] - Detection of human Pds5b by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Pds5b antibody NB100-755 used for IP at 3 ug per reaction. Pds5b was also immunoprecipitated by another rabbit anti-Pds5b antibody. For blotting immunoprecipitated Pds5b, NB100-755 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time time of 75 seconds.



## Publications

Bass TE, Fleenor DE, Burrell PE, Kastan MB ATM Regulation of the Cohesin Complex is Required for Repression of DNA Replication and Transcription in the Vicinity of DNA Double Strand Breaks Molecular cancer research : MCR 2022-12-05 [PMID: 36469004]

Martino J, Brunette GJ, Barroso-Gonzalez J The human Shu complex functions with PDS5B and SPIDR to promote homologous recombination Nucleic Acids Res 2019-10-31 [PMID: 31665741]

Wagner K, Kunz K, Piller T et al. The SUMO Isopeptidase SENP6 Functions as a Rheostat of Chromatin Residency in Genome Maintenance and Chromosome Dynamics Cell Rep 2019-10-08 [PMID: 31597105] (WB, KD, Human)

Carvajal-Maldonado D, Byrum AK, Jackson J et al. Perturbing cohesin dynamics drives MRE11 nuclease-dependent replication fork slowing Nucleic Acids Res. 2018-06-18 [PMID: 29917110] (WB, Human)

Brough R, Bajrami I, Vatcheva R et al. APRIN is a cell cycle specific BRCA2-interacting protein required for genome integrity and a predictor of outcome after chemotherapy in breast cancer. EMBO J 2012-01-01 [PMID: 22293751]



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### **Products Related to NB100-755**

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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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