

Product Datasheet

SMCX Antibody NB100-55327

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-55327

SMCX 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

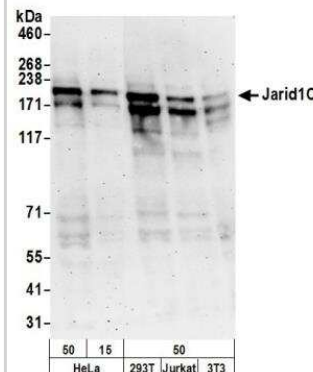
Product Description	
Description	Novus Biologicals Rabbit SMCX Antibody (NB100-55327) is a polyclonal antibody validated for use in WB, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8242
Gene Symbol	KDM5C
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 275 and 325 of human Jumonji, AT rich interactive domain 1C using the numbering given in entry NP_004178.2 (GeneID 8242).

Product Application Details	
Applications	Western Blot, Immunoprecipitation, Chromatin Immunoprecipitation Sequencing
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 1:10-1:500, Chromatin Immunoprecipitation Sequencing

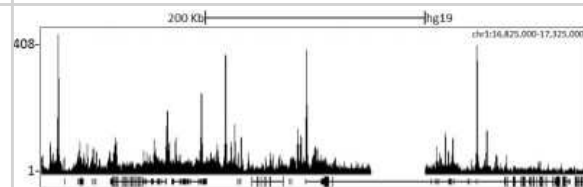


Images

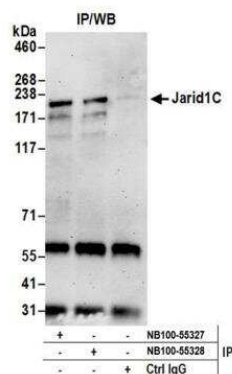
Western Blot: SMCX Antibody [NB100-55327] - Detection of Human and Mouse Jarid1C by Western Blot. Samples: Whole cell lysate (50, 15 ug) from HeLa and (50 ug) from 293T, Jurkat, and mouse NIH3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Jarid1C antibody NB100-55327 used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Chromatin Immunoprecipitation Sequencing: SMCX Antibody [NB100-55327] - Localization of Jarid1C Binding Sites by ChIP-seq. Chromatin from K562 cells was immunoprecipitated with anti-Jarid1C antibody NB100-55327 and analyzed by DNA sequencing. The figure illustrates the peak distribution of Jarid1C binding within a 500 Kb region of chromosome 1 as detected using anti-Jarid1C antibody NB100-55327. ChIP-seq validation performed by Diogenode, Denville, NJ.



Immunoprecipitation: SMCX Antibody [NB100-55327] - Detection of human Jarid1C (SMCX) 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. Antibodies: Affinity purified rabbit anti-Jarid1C antibody NB100-55327 used for IP at 6 ug per reaction. Jarid1C was also immunoprecipitated by rabbit anti-Jarid1C antibody NB100-55328. For blotting immunoprecipitated Jarid1C, NB100-55327 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Publications

Li H, Li D, Wang Z et al. Mechanism of KDM5C-Mediated H3K4me3 Demethylation of HOXC-AS3 in the Proliferation of Colorectal Cancer Cells. The Kaohsiung journal of medical sciences 2025-07-08 [PMID: 40629546]



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Products Related to NB100-55327

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

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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