

Datasheet for 100-401-V83**SET9 Antibody****Overview**

Description:	Anti-SET9 (RABBIT) Antibody - 100-401-V83
Item No.:	100-401-V83
Size:	100 µL
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Set9 is a histone methyltransferase which specifically methylates lysine 4 of histone H3 being a specific tag for epigenetic transcriptional activation. Further, methylation of histone H3K4 by Set9 precludes deacetylation of H3 by the NuRD complex and impairs Suv39h1-mediated methylation of H3K9. Set9 also methylates the tumor suppressor p53 at lysine 372, thereby enhancing its stability. IT contains a SET domain but lacks the pre- and post-SET domains. Anti-Set9 Antibody is ideal for research in Epigenetics, Gene Expression and Chromatin Remodeling.
Synonyms:	Histone-lysine N-methyltransferase SETD7, Histone H3-K4 methyltransferase SETD7, Lysine N-methyltransferase 7, SET domain-containing protein 7, SET 7/9, H3-K4-HMTase SETD7
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	SETD7
Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-SET9 Antibody was produced in rabbits by repeated immunizations with a recombinant protein of human Set9.

Purity/Specificity: Anti-Set9 Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. Cross reactivity with Set8 from species other than human not tested.

Relevant Links:

- [UniProtKB - Q8WTS6](#)
- [GeneID - 80854](#)
- [NCBI - NP_085151.1](#)

Application Details

Tested Applications: WB

Application Note: Anti-SET9 Antibody has been tested by Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 50 kDa in the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

WB: 1:1,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: neat

Buffer: None

Preservative: 0.05% (w/v) Sodium Azide

Stabilizer: None

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot results of Rabbit anti-Set9 antibody. Lane 1: HeLa nuclear extracts cells. Load: 20 µg. Primary antibody: Set9 antibody at 1:1000 for overnight at 4°C. Secondary antibody: goat anti-rabbit HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO/TBS-Tween overnight at 4°C.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.