

Datasheet for 200-401-N99S**Setdb2 Antibody****Overview**

Description:	Anti-SETDB2 (RABBIT) Antibody - 200-401-N99S
Item No.:	200-401-N99S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Setdb2 is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI). Setdb2 and the neighboring gene Phf11 were linked to familial atopy/ asthma and are in a "critical region" commonly deleted in CLL. Setdb2 is a candidate histone methyltransferase as a member of the Su(var) 3-9 family of SET domain-containing enzymes. Other predicted domains in Setdb2 include a methylcytosine binding domain and a large bifurcation domain interrupting the putative histone methyltransferase (SET) domain whose function is unknown. Anti-Setdb2 antibody is ideal for researchers interested in Cancer Research and Epigenetics Research.
Synonyms:	rabbit anti-Setdb2 Antibody, Histone-lysine N-methyltransferase SETDB2, SET domain bifurcated 2, Setdb 2 antibody, Gm293
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Setdb2
Reactivity:	Human, Mouse
Immunogen Type:	Recombinant Protein
Immunogen:	Setdb2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a full length protein corresponding to mouse Setdb2.

Purity/Specificity:	This Protein A purified antibody is directed against mouse Setdb2. The product was purified from monospecific antiserum by Protein A affinity chromatography. Expect reactivity with Setdb2 from mouse and human sources. Reactivity against homologues from other sources is not known.
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Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Setdb2 antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 80.6 kDa in size corresponding to Setdb2 by western blotting 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.
ELISA:	1:2,500 - 1:10,000
WB:	1:10,000 - 1:100,000

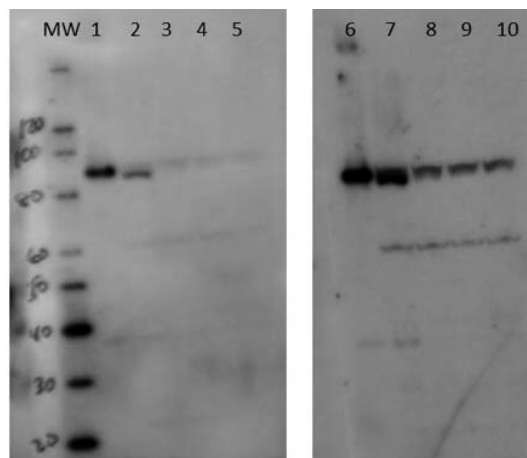
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.98 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-Setdb2 antibody. Lane 1: 50ng recombinant mouse Setdb2. Lane 2: 50ng recombinant mouse Setdb2 + HEK293 50mcg. Lane 3: 5.0ng recombinant mouse Setdb2 + HEK293 50mcg. Lane 4: 0.5ng recombinant mouse Setdb2 + HEK293 50mcg. Lane 5: HEK293 50mcg. Lane 6: 50ng recombinant mouse Setdb2. Lane 7: 50ng recombinant mouse Setdb2 + HEK293 50mcg. Lane 8: 5.0ng recombinant mouse Setdb2 + HEK293 50mcg. Lane 9: 0.5ng recombinant mouse Setdb2 + HEK293 50mcg. Lane 10: HEK293 50mcg. Primary antibody: Setdb2 antibody at 1:100,000 (lanes 1-5) and 1:25,000 (lanes 6-10) for overnight at 4°C. Secondary antibody: HRP rabbit secondary antibody at 1:20,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80.6 kDa for Setdb2. Other band(s): degradation products, proteolysis products, or nonspecific binding.

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.