

Datasheet for 600-401-EX2**SUZ12 Antibody****Overview**

Description:	Anti-SUZ12 (RABBIT) Antibody - 600-401-EX2
Item No.:	600-401-EX2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The Polycomb group (PcG) genes contribute to the maintenance of cell identity, cell cycle regulation and oncogenesis (1). SUZ12 (suppressor of zeste 12) is a 90 - 95 kDa member of the polycomb group of transcriptional regulators (2). It is part of a transcription repression complex termed PRC2 (Polycomb repressive complex 2) that methylates histones in the nucleus, resulting in homeotic (pattern-inducing) gene silencing. It contains one C2H2-type zinc finger region and a C-terminal VEFs-box (3,4). SUZ12 is overexpressed in breast and colon cancer. SUZ12 may be a cause of endometrial stromal tumors (5).
Synonyms:	SUZ12 Antibody, CHET9, JAZ1, CHET9, KIAA0160, Polycomb protein SUZ12, Chromatin precipitated E2F target 9 protein, ChET 9 protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SUZ12
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SUZ12 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the internal region of human SUZ12.

Purity/Specificity: Anti-SUZ12 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SUZ12 antibody is human specific.

Relevant Links:

- [UniProtKB - Q15022](#)
- [NCBI - NP_056170.2](#)
- [GeneID - 23512](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-SUZ12 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 83 kDa in Western Blots of specific cell lysates and tissues.

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

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

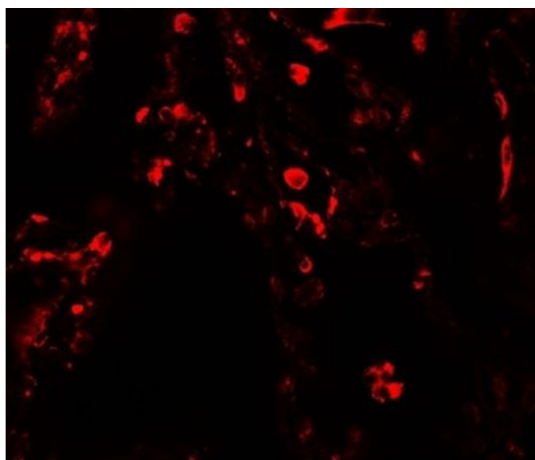
Shipping & Handling

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:

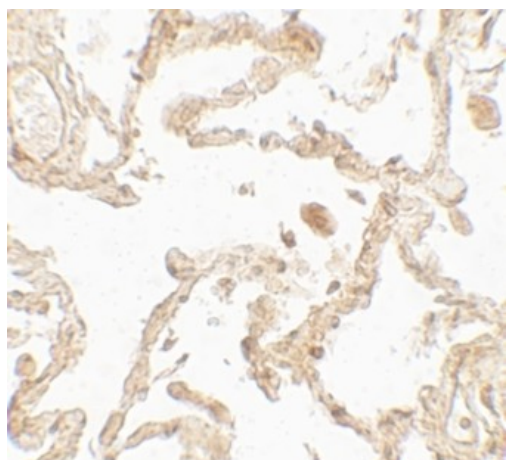
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence of SUZ12.

Tissue: human lung tissue.

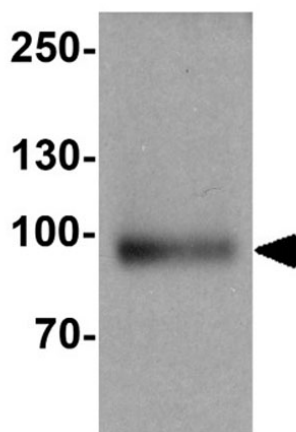
Primary Antibody: SUZ12 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of SUZ12.

Tissue: human lung tissue.

Primary Antibody: SUZ12 antibody at 5 µg/mL.

**Western Blot**

Western blot of SUZ12.

Load: human liver tissue lysate.

Primary Antibody: SUZ12 antibody at 1 µg/ml.

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.