

Datasheet for 600-401-DF1**NUMB Antibody****Overview**

Description:	Anti-NUMB (RABBIT) Antibody - 600-401-DF1
Item No.:	600-401-DF1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	NUMB, the mammalian homolog to the Drosophila asymmetric cell fate determinant NUMB, is thought to share several features molecular mechanisms in mammalian cells, generating asymmetric cell divisions during neurogenesis in vertebrate development as well as in hematopoietic stem cells. NUMB has been shown to inhibit Notch signaling, and is itself regulated by ubiquitinylation by MDM2. NUMB has also been shown to help activate the tumor suppressor p53, suggesting that loss of NUMB in cancerous cells would not only activate the potential oncogene Notch, but diminish the tumor suppressing effect of p53.
Synonyms:	NUMB Antibody, S171, C14orf41, c14_5527, Protein numb homolog, Protein S171, h-Numb
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NUMB
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-NUMB antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human NUMB.

Purity/Specificity: Anti-NUMB Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least four isoforms of NUMB are known to exist; this antibody will detect all of them.

Relevant Links:

- [UniProtKB - P49757](#)
- [GeneID - 8650](#)
- [NCBI - NP_1005743](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-NUMB 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 71 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: 1:2,500 - 1:5,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 0.25-0.5 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

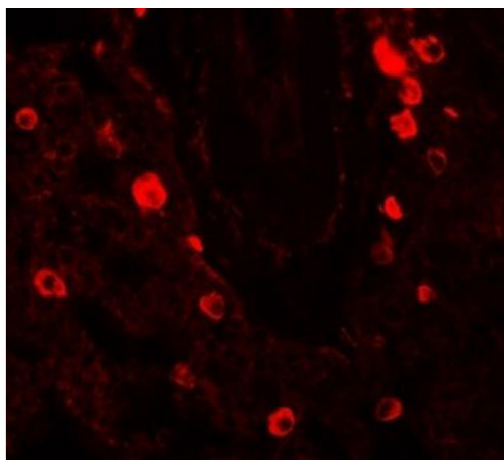
Shipping & Handling

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:

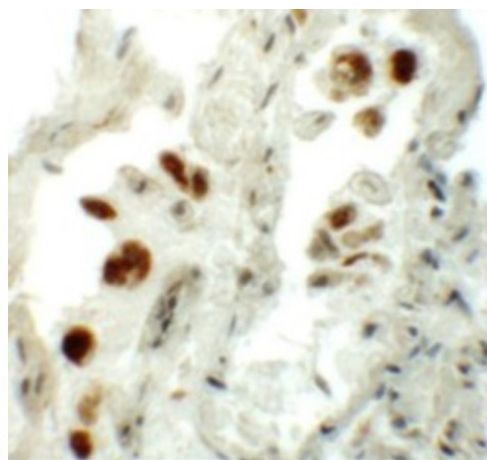
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence of NUMB.

Tissue: human lung tissue.

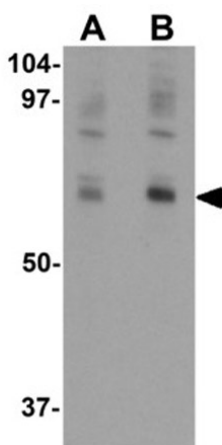
Primary Antibody: NUMB antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of NUMB.

Tissue: human lung tissue.

Primary Antibody: NUMB antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of NUMB.

Load: mouse lung tissue lysate.

Primary Antibody: NUMB antibody at (A) 0.25 µg/mL and (B) 0.5 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.