

Datasheet for 600-401-FM8**Translin Antibody****Overview**

Description:	Anti-Translin (RABBIT) Antibody - 600-401-FM8
Item No.:	600-401-FM8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Translin is a DNA-binding protein which specifically recognizes conserved target sequences at the breakpoint junction of chromosomal translocations. Translin polypeptides form a multimeric structure that is responsible for its DNA-binding activity. Recombination-associated motifs and translin-binding sites are present at recombination hotspots and may serve as indicators of breakpoints in genes which are fused by translocations. These binding activities may play a crucial role in chromosomal translocation in lymphoid neoplasms. Recent evidence suggests that in combination with a binding partner Trax, Translin binds RNA and mediates trafficking in neurons.
Synonyms:	Translin Antibody, C3PO, RCHF1, TBRBP, TRSLN, BCLF-1, REHF-1, Translin, Component 3 of promoter of RISC, C3PO
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TSN
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Translin antibody was prepared from whole rabbit serum produced by repeated immunizations with a 20 amino acid synthetic peptide near the C-terminus of human Translin.

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

Relevant Links:

- [UniProtKB - Q15631](#)
- [GeneID - 7247](#)
- [NCBI - NP_001248330.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-Translin 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 26 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: 1:5000 - 1:10000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 0.5-1 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

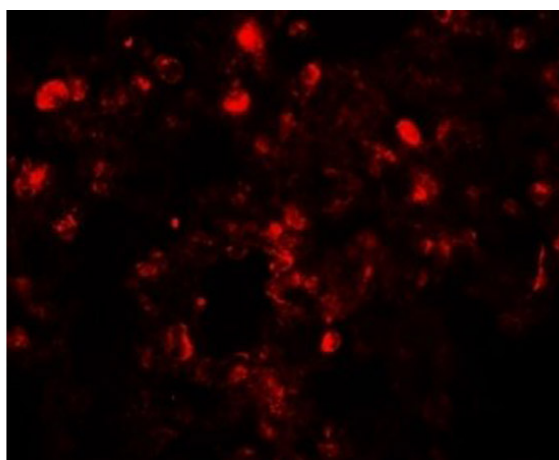
Shipping & Handling

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

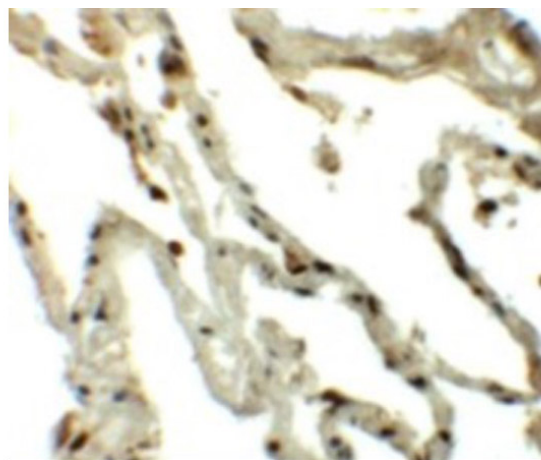


Immunofluorescence Microscopy

Immunofluorescence of Translin.

Tissue: human lung tissue.

Primary Antibody: Translin antibody at 20 µg/mL.

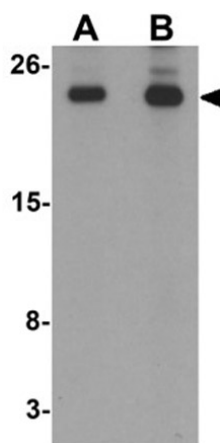


Immunohistochemistry

Immunohistochemistry of Translin.

Tissue: human lung tissue.

Primary Antibody: Translin antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of Translin.

Load: rat lung tissue lysate.

Primary Antibody: Translin antibody at (A) 0.5 $\mu\text{g/mL}$ and (B) 1 $\mu\text{g/mL}$.

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.