

Datasheet for 600-401-ET5**SPINSTER Antibody****Overview**

Description:	Anti-SPINSTER (RABBIT) Antibody - 600-401-ET5
Item No.:	600-401-ET5
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	SPINSTER, also known as SPNS1 or SPIN1, is a 528 amino acid multi-pass membrane protein that localizes to the inner mitochondrial membrane and belongs to the spinster subfamily of the major facilitator superfamily (1). SPINSTER interacts with Bcl-x and Bcl-2 and, via this interaction, is thought to be involved in necrotic or autophagic cell death (2). The related protein SPNS2 is critical for the normal lymphocyte localization and mammalian immune system function (1,3).
Synonyms:	SPINSTER Antibody, LAT, nrs, SPIN1, SPINL, HSpin1, PP2030, PP20300, Protein spinster homolog 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SPNS1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SPINSTER antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the N-terminus of human SPINSTER.

Purity/Specificity: Anti-SPINSTER antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SPINSTER antibody is human specific. At least four isoforms of SPINSTER are known to exist. This antibody is predicted to not cross-react with other members of the spinster family of proteins.

Relevant Links:

- [UniProtKB - Q9H2V7](#)
- [GeneID - 83985](#)
- [NCBI - NP_001135920.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-SPINSTER Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 57 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: 2.5 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

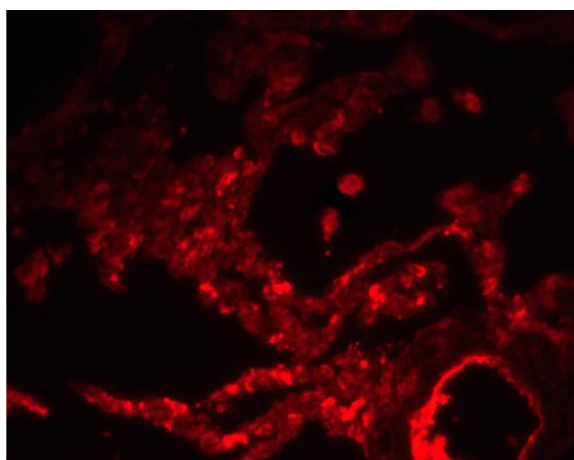
Shipping & Handling

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

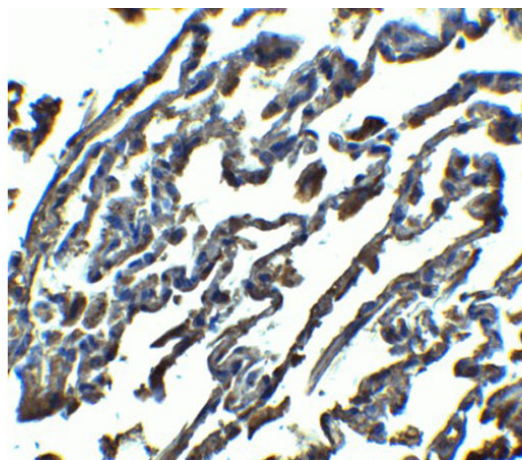


Immunofluorescence Microscopy

Immunofluorescence of SPINSTER.

Tissue: human lung tissue.

Primary Antibody: SPINSTER antibody at 20 µg/ml.

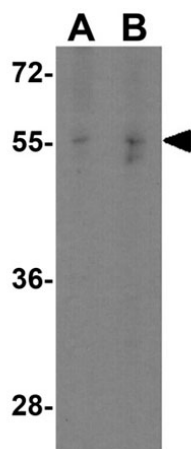


Immunohistochemistry

Immunohistochemistry of SPINSTER.

Tissue: human lung tissue.

Primary Antibody: SPINSTER antibody at 2.5 µg/ml.

**Western Blot**

Western blot of SPINSTER.

Load: HepG2 cell lysate.

Primary Antibody: SPINSTER antibody at (A) 1 and (B) 2 μ 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.