

Datasheet for 600-401-ET4**SPINK2 Antibody****Overview**

Description:	Anti-SPINK2 (RABBIT) Antibody - 600-401-ET4
Item No.:	600-401-ET4
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Human serine proteinase inhibitor Kazal-type 2 (SPINK2) is required for maintaining normal spermatogenesis and potentially regulates serine protease-mediated apoptosis in male germ cells. It contains a typical kazal domain composed by six cysteine residues forming three disulfide bridges. SPINK2 functions as a trypsin/acrosin inhibitor and is synthesized mainly in the testis and seminal vesicle where its activity is engaged in fertility. SPINK2 plays a role in the pathogenesis of hereditary and chronic pancreatitis.
Synonyms:	SPINK2 Antibody, HUSI-II, Serine protease inhibitor Kazal-type 2, Acrosin-trypsin inhibitor
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SPINK2
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SPINK2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the C-terminus of mouse SPINK2.

Purity/Specificity: Anti-SPINK2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SPINK2 antibody is predicted to not cross-react with other SPINK family members.

Relevant Links:

- [UniProtKB - P20155](#)
- [GeneID - 6691](#)
- [NCBI - NP_001258650.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-SPINK2 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 9 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

IF: 20 µg/mL

IHC: 2.5 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 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

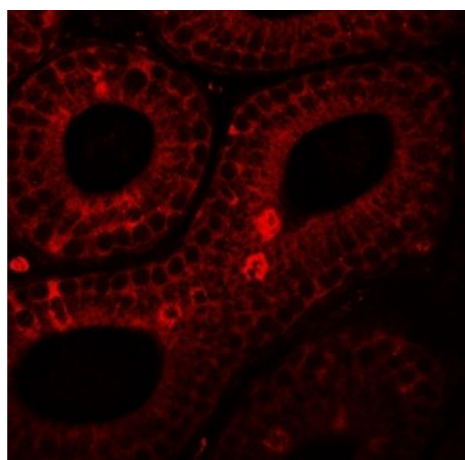
Shipping & Handling

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

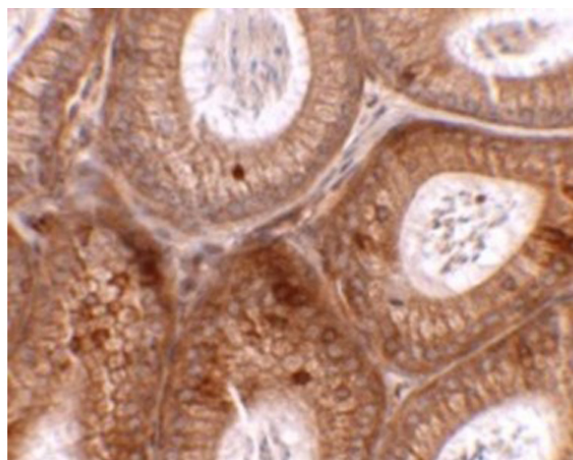


Immunofluorescence Microscopy

Immunofluorescence of SPINK2.

Tissue: mouse testis tissue.

Primary Antibody: SPINK2 antibody at 20 µg/mL.

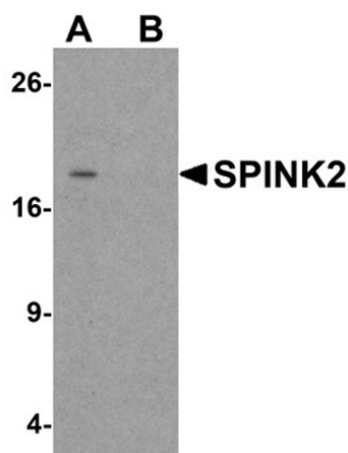


Immunohistochemistry

Immunohistochemistry of SPINK2.

Tissue: mouse testis tissue.

Primary Antibody: SPINK2 antibody at 2.5 µg/mL.

**Western Blot**

Western blot analysis of SPINK2.

Load: human testis tissue lysate.

Primary Antibody: SPINK2 antibody at 1 μ g/mL in (A) the absence and (B) the presence of blocking peptide.

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.