

Datasheet for 600-401-BT2**IFIT1 Antibody****Overview**

Description:	Anti-IFIT1 (RABBIT) Antibody - 600-401-BT2
Item No.:	600-401-BT2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The interferon-induced protein with tetratricopeptide repeats 1 (IFIT1) protein is a member of a family of tetratricopeptide repeat-containing proteins whose transcription is upregulated by interferons, virus infection, and molecular patterns such as dsRNA or lipopolysaccharides (1,2). These proteins have been suggested to induce anti-viral cellular activities in response to infection (2). Together with the interferon-induced transmembrane protein 1 (IFITM1), IFIT1 inhibits the replication of the Hepatitis C virus, suggesting that it may be useful in the development of therapeutic treatments (3).
Synonyms:	IFIT1 Antibody, C56, P56, G10P1, IFI56, ISG56, IFI-56, IFIT-1, IFNAI1, RNM561, IFI-56K, Interferon-induced protein with tetratricopeptide repeats 1, Interferon-induced 56 kDa protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IFIT1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-IFIT1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human IFIT1.

Purity/Specificity: Anti-IFIT1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. IFIT1 antibody is human, mouse and rat reactive. At least three isoforms of IFIT1 are known to exist. This antibody is predicted to not cross-react with other members of the IFIT protein family.

Relevant Links:

- [UniProtKB - P09914](#)
- [GeneID - 3434](#)
- [NCBI - NP_001539](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-IFIT1 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 55 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: 1.0 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

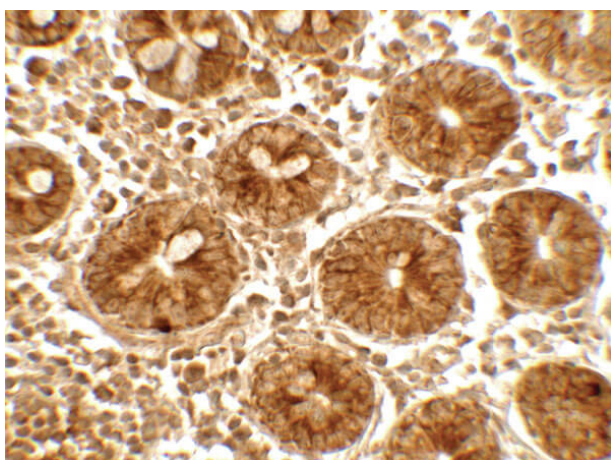
Shipping & Handling

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.

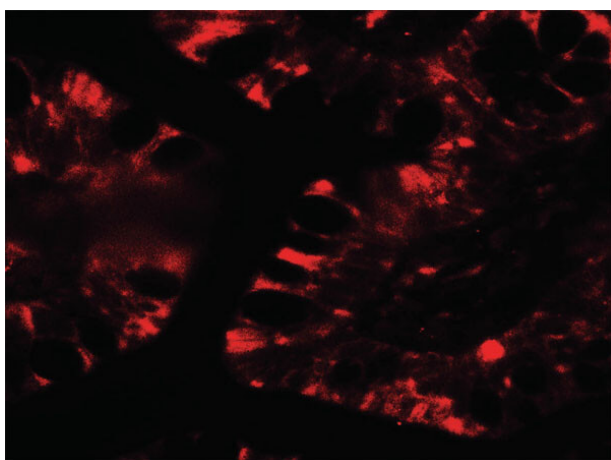
Expiration: Expiration date is one (1) year from date of receipt.

Images



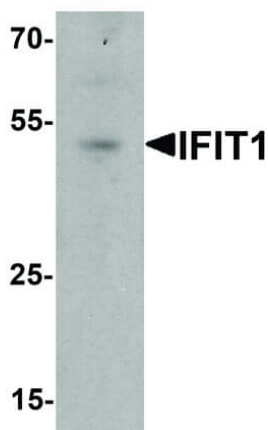
Immunohistochemistry

Immunohistochemistry of Rabbit anti-IFIT1 antibody. Tissue: human small intestine. Primary antibody: IFIT1 antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: IFIT1 is cytoplasmic. Staining: IFIT1 as precipitated brown signal.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of Rabbit anti-IFIT1 antibody. Tissue: human small intestine. Primary antibody: IFIT1 antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: IFIT1 is cytoplasmic. Staining: IFIT1 as red fluorescent signal.

**Western Blot**

Western Blot of Rabbit anti-IFIT1 antibody. Lane A: rat small intestine tissue lysate. Primary antibody: IFIT1 antibody at 1 μ g/mL overnight at 4°C. Secondary antibody: Goat Anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 185 kDa, 200 kDa for IFIT1.

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.