

Datasheet for 600-401-CM7**LRRFIP1 Antibody****Overview**

Description:	Anti-LRRFIP1 (RABBIT) Antibody - 600-401-CM7
Item No.:	600-401-CM7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	LRRFIP1, also known as GC-binding factor 2 (GCF2), is a 738 amino acid transcriptional repressor that mainly plays a cytoskeletal role. It is primarily localized in the cytoplasm and preferentially binds to GC-rich dsDNA, but will also bind directly to dsRNA as well. The RNA binding domain encompasses a lysine-rich motif. LRRFIP1 interacts with the mammalian Flightless I (Fli-I) and is a key component in the cytoskeletal regulation of platelet function. LRRFIP1 and the related protein LRRFIP2 may modulate canonical WNT signaling and mediate the IRF3-induced production of type I interferon via a beta-catenin-dependent pathway.
Synonyms:	LRRFIP1 Antibody, GCF2, TRIP, FLAP1, GCF-2, FLAP-1, HUFI-1, FLIIAP1, GCF2, Leucine-rich repeat flightless-interacting protein 1, GC-binding factor 2, LRR FLII-interacting protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LRRFIP1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-LRRFIP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the C-terminus of human LRRFIP1.

Purity/Specificity: Anti-LRRFIP1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. LRRFIP1 antibody is predicted to not cross-react with other LRRFIP family members. Three isoforms of LRRFIP1 are known to exist; this antibody will only recognize the two longer isoforms.

Relevant Links:

- [UniProtKB - Q32MZ4](#)
- [GeneID - 9208](#)
- [NCBI - NP_001131022](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-LRRFIP1 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 90 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: 5 µg/mL

WB: 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

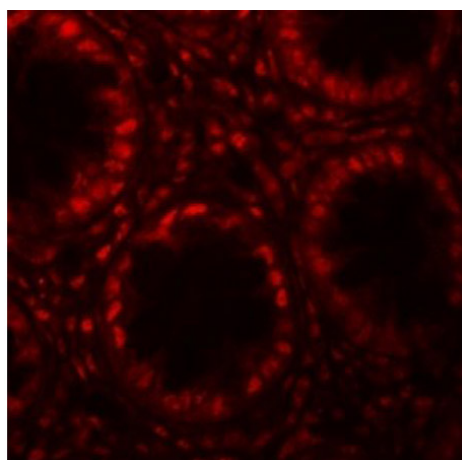
Shipping & Handling

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

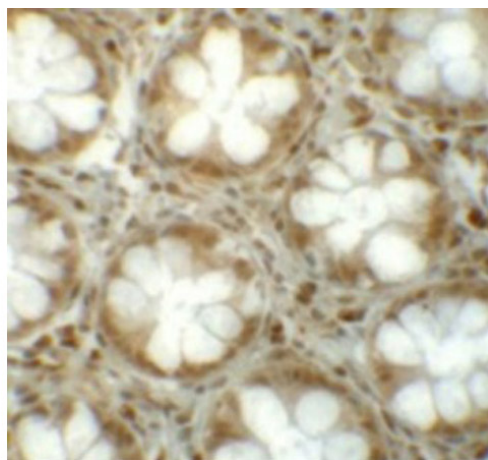


Immunofluorescence Microscopy

Immunofluorescence of LRRFIP1.

Tissue: human colon tissue.

Primary Antibody: LRRFIP1 antibody at 20 µg/mL.

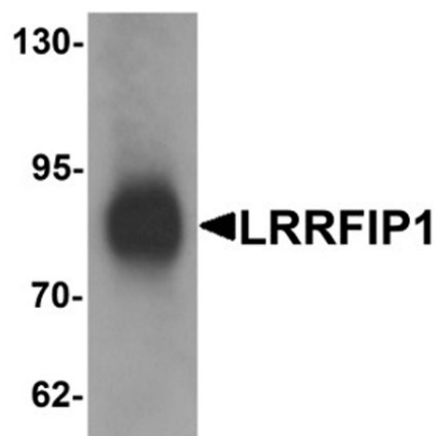


Immunohistochemistry

Immunohistochemistry of LRRFIP1.

Tissue: human colon tissue.

Primary Antibody: LRRFIP1 antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of LRRFIP1.

Load: human colon tissue lysate.

Primary Antibody: LRRFIP1 antibody at 1 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.