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Datasheet for 600-401-P72

IFITM1 Antibody

Overview

Description:	Anti-IFITM1 (RABBIT) Antibody - 600-401-P72
Item No.:	600-401-P72
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Interferon-induced Transmembrane Protein 1 (IFITM1), also called Interferon-induced Protein 17 (IFI17). IFITM1 activity is required for primordial germ cells (PGCs) transit from the mesoderm into the endoderm, and that it appears to act via a repulsive mechanism, such that PGCs avoid Ifitm1-expressing tissues. It is mapped to Chr.11 and belongs to the family of interferon-induced transmembrane proteins (Ifitm/mil/fragilis), which encodes cell surface proteins that may modulate cell adhesion and influence cell differentiation. Interferon-inducible membrane proteins of approximately 17 kDa have been suggested to play a role in the antiproliferative activity of interferons based on their pattern of induction in interferon-sensitive and -resistant cell lines and the ability of a membrane fraction enriched in 17-kDa proteins to inhibit cell growth. This antibody is suitable for researchers interested in cancer and stem cell research.
Synonyms:	Dispanin subfamily A member 2a,
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IFITM1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	IFITM1 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a sequence at the N-terminal of human IFITM1.
Purity/Specificity:	Anti-IFITM1 antibody is directed against human IFITM1 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human based on 100% homology for the immunogen sequence. Cross reactivity with IFITM1 from other sources has not been determined.
Relevant Links:	• UniProtKB - P13164 • GeneID - 8519 • NCBI - NP_003632.3

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-IFITM1 is tested for Immunohistochemistry-P, Immunohistochemistry-F, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~14 kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	1:100-1:500
WB:	0.5µg/mL

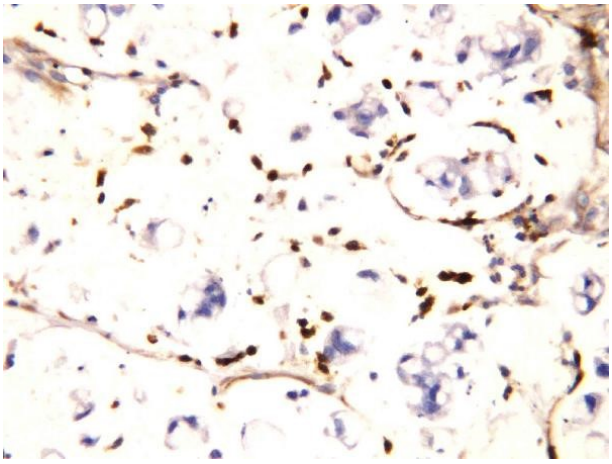
Formulation

Physical State:	Lyophilized
Concentration:	0.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3
Preservative:	0.05mg Thimerosal
Stabilizer:	5mg BSA
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

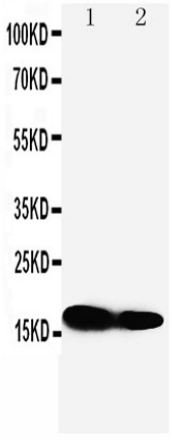
Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° 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 Anti-IFITM1 antibody.
Tissue: Human Intestinal Cancer Tissue. IHC(P).



Western Blot
Western blot of Anti-IFITM1 antibody.
Lane 1: SW620 Cell Lysate, Lane 2: CEM Cell Lysate.

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.