Datasheet for 600-401-FY9

WFDC2 Antibody

Overview

Description:	Anti-WFDC2 (RABBIT) Antibody - 600-401-FY9
Item No.:	600-401-FY9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The WAP four-disulfide core domain protein 2 (WFDC2), also known as epididymal protein 4, is a member of the WFDC domain family, a family of proteins that is characterized by the presence of Whey Acidic Protein (WAP) domain, and is highly expressed in the lung and salivary gland (1,2). Members of this family include SLPI and elafin, antiproteinases involved in the innate immune system (2). WFDC2 has been proposed to play a critical role in tumor formation and growth in ovarian cancer cells through the regulation of growth- and apoptosis-associated genes and may thus be a potential therapeutic target for epithelial ovarian cancer (3).
Synonyms:	WFDC2 Antibody , HE4, WAP5, EDDM4, dJ461P17.6, HE4, WAP four-disulfide core domain protein 2, Epididymal secretory protein E4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	WFDC2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-WFDC2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human WFDC2.

Purity/Specificity:	Anti-WFDC2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. WFDC2 antibody is human specific. Multiple isoforms of WFDC2 are known to exist.
Relevant Links:	• UniProtKB - Q14508 • GeneID - 10406 • NCBI - NP_006094.3

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-WFDC2 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 13 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:	User Optimized
IF:	User Optimized
IHC:	User Optimized
WB:	User Optimized

Formulation

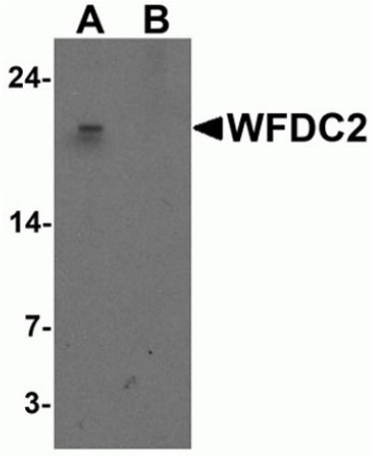
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

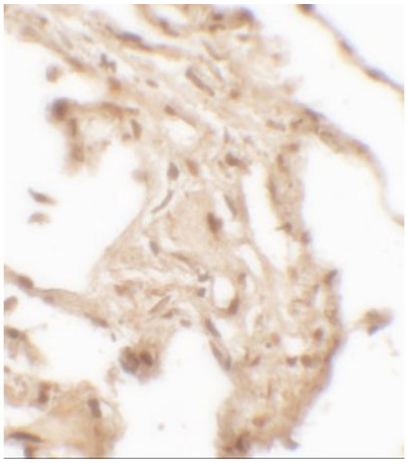
Shipping Condition:	Dry Ice

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.

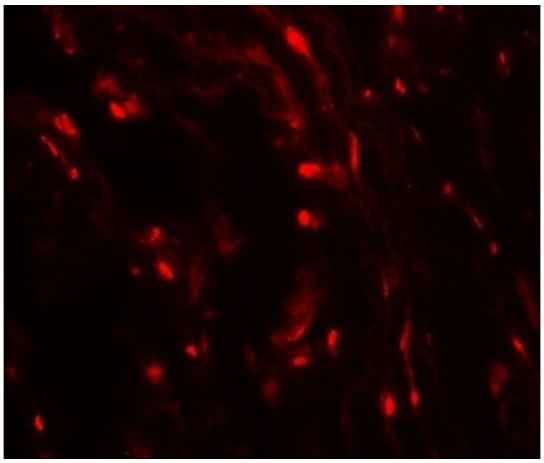
Images



Western Blot
Western blot of WFDC2.
Load: A549 cell lysate.
Primary Antibody: WFDC2 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry
Immunohistochemistry of WFDC2.
Tissue: human lung tissue.
Primary Antibody: WFDC2 antibody at 2.5 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of WFDC2.
Tissue: human lung tissue.
Primary Antibody: WFDC2 antibody at 20 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.