

**Datasheet for 600-401-FX7****WAPL Antibody****Overview**

|                      |                                           |
|----------------------|-------------------------------------------|
| <b>Description:</b>  | Anti-WAPL (RABBIT) Antibody - 600-401-FX7 |
| <b>Item No.:</b>     | 600-401-FX7                               |
| <b>Size:</b>         | 100 µg                                    |
| <b>Applications:</b> | ELISA, IF, IHC, WB                        |
| <b>Reactivity:</b>   | Human, Mouse, Rat                         |
| <b>Host Species:</b> | Rabbit                                    |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | WAPL (wings apart-like), also known as WAPAL or FOE, is a 1,190 amino acid protein that contains one WAPL domain and may play an important role in cell growth (1). It is expressed in an isoform dependent manner in heart, skeletal muscle (isoform 2) and uterine cervix tumor tissue (isoform 1) (1,2,4). WAPL is involved in sister-chromatid adhesion and promotes release of cohesion from chromosomes by directly interacting with its regulatory subunits (3,4). WAPL is a new regulator of the development and metastasis of cancerous tissue (4,5). |
| <b>Synonyms:</b>     | WAPL Antibody, FOE, WAPL, KIAA0261, FOE, Wings apart-like protein homolog, Friend of EBNA2 protein, WAPL cohesin release factor, WAPAL                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**Target Details**

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

**Purity/Specificity:** Anti-WAPL antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. WAPL antibody is human, mouse and rat reactive. At least four isoforms of WAPL are known to exist.

**Relevant Links:**

- [UniProtKB - Q7Z5K2](#)
- [GeneID - 23063](#)
- [NCBI - NP\\_001305257.1](#)

## Application Details

**Tested Applications:** ELISA, IF, IHC, WB

**Application Note:** Anti-WAPL 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 133 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 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

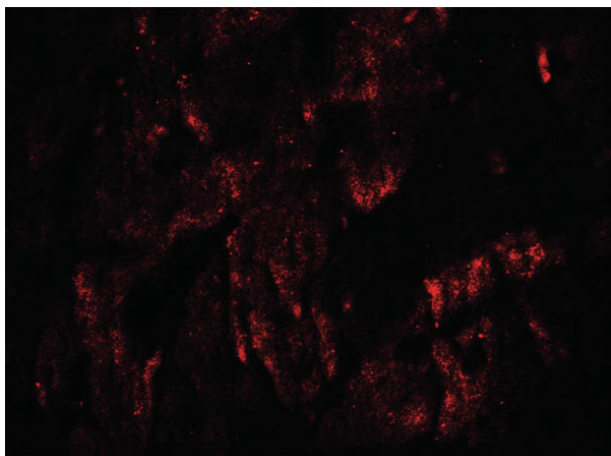
## Shipping & Handling

**Shipping Condition:** Wet Ice

**Storage Condition:** Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

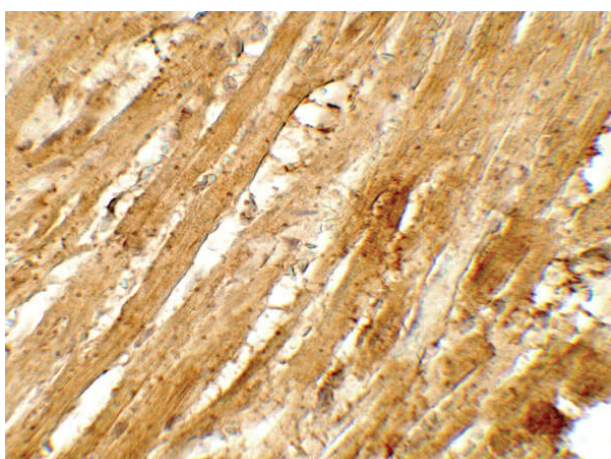
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



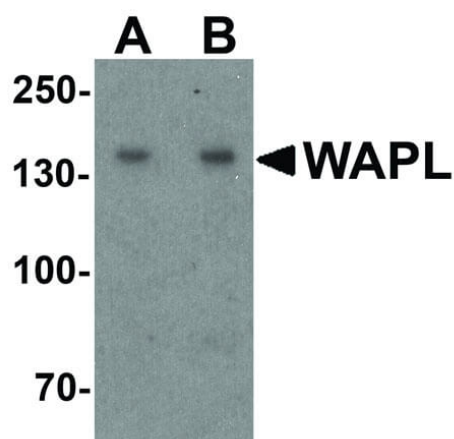
### Immunofluorescence Microscopy

Immunofluorescence Microscopy of Rabbit anti-WAPL antibody. Tissue: rat heart tissue. Primary antibody: WAPL antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: WAPL is nuclear and cytoplasmic. Staining: WAPL as red fluorescent signal.



### Immunohistochemistry

Immunohistochemistry of Rabbit anti-WAPL antibody. Tissue: rat heart tissue. Primary antibody: WAPL antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: WAPL is nuclear and cytoplasmic. Staining: WAPL as precipitated yellow signal.



### Western Blot

Western Blot of Rabbit anti-WAPL antibody. Lane A: A20 cell lysate at 1 µg/mL. Lane B: A20 cell lysate at 2 µg/mL. Primary antibody: WAPL antibody overnight at 4°C. Secondary antibody: Rabbit secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 131 kDa, 140 kDa for WAPL.

## 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.