

Datasheet for 600-401-FZ1**WIPI2 Antibody****Overview**

Description:	Anti-WIPI2 (RABBIT) Antibody - 600-401-FZ1
Item No.:	600-401-FZ1
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Rat
Host Species:	Rabbit

Product Details

Background:	WD repeat proteins play a role in many essential biologic functions, regulating the assembly of multiprotein complexes by presenting a beta-propeller platform for simultaneous and reversible protein-protein interactions. WIPI2, also known as ATG18B or ATG21, is a human homolog to yeast ATG18 and contains three WD repeats and has a 7-bladed propeller structure with a conserved motif that facilitates its interaction with other proteins. It is recruited to early autophagosomal structures along with Atg16L and ULK1 and is required for the formation of LC3-positive autophagosomes. Along with the highly related WIPI1, WIPI2 is found at the plasma membrane in addition to autophagosomal membranes.
Synonyms:	WIPI2 Antibody, Atg21, ATG18B, CGI-50, WIPI-2, WD repeat domain phosphoinositide-interacting protein 2, WIPI49-like protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	WIPI2
Reactivity:	Human, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- WIPI2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the N-terminus of human WIPI2.

Purity/Specificity: Anti-WIP12 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. WIP12 antibody is human and rat reactive. Multiple isoforms of WIP12 are known to exist. WIP12 antibody is predicted to not cross-react with WIP11.

Relevant Links:

- [UniProtKB - Q9Y4P8](#)
- [GeneID - 26100](#)
- [NCBI - NP_001028690.1](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-WIP12 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 49 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

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

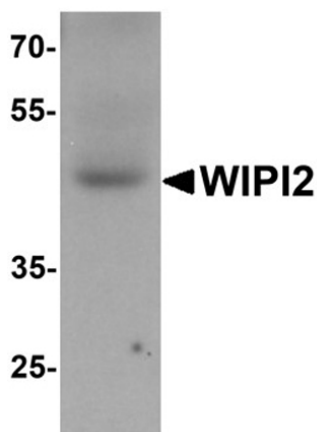
Shipping & Handling

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



Western Blot

Western blot analysis of WIPI2.

Load: human testis tissue lysate.

Primary Antibody: WIPI2 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.