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Datasheet for 600-401-FZ0

WIPI1 Antibody

Overview

Description:	Anti-WIPI1 (RABBIT) Antibody - 600-401-FZ0
Item No.:	600-401-FZ0
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	WIPI1 (WD repeat domain, phosphoinositide interacting-1), also known as WIPI1, ATG18 or WIPI49, is thought to play a role in autophagy and may regulate protein trafficking in certain recycling pathways. It contains three WD repeats and has a 7-bladed propeller structure with a conserved motif that facilitates its interaction with other proteins. WIPI1 localizes to cytoplasmic vesicles, endosomes, clathrin-coated vesicles and the trans-Golgi network. It is ubiquitously expressed with highest expression in heart, testis, placenta, pancreas and skeletal muscle. WIPI1 is upregulated in a variety of tumors, suggesting a role in carcinogenesis.
Synonyms:	WIPI1 Antibody, ATG18, ATG18A, WIPI49, WD repeat domain phosphoinositide-interacting protein 1, Atg18 protein homolog, WIPI-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	WIPI1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-WIPI1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human WIPI1.

Purity/Specificity:	Anti-WIPI1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of WIPI1 are known to exist; this antibody will detect both isoforms.
Relevant Links:	• UniProtKB - Q5MNZ9 • GeneID - 55062 • NCBI - NP_001307701.1

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-WIPI1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. 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
IF:	20 µg/mL
WB:	1-2 µg/mL

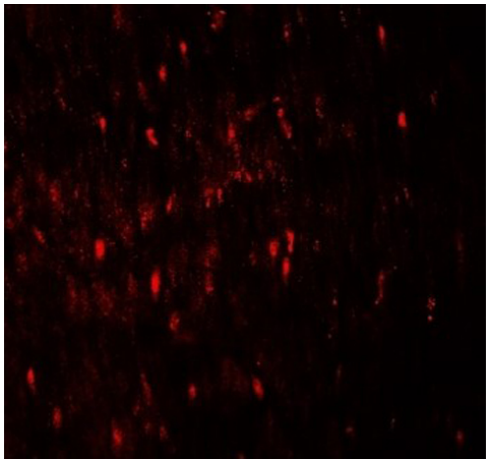
Formulation

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

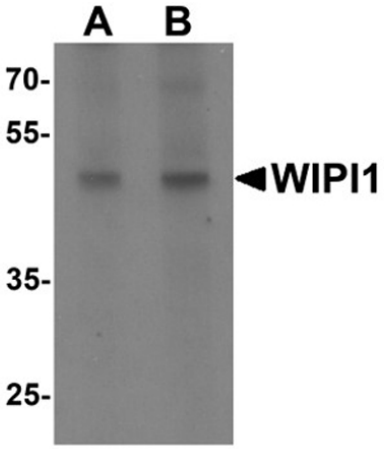
Shipping & Handling

Shipping Condition:	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 WIPI1.
Tissue: human colon tissue.
Primary Antibody: WIPI1 antibody at 20 µg/mL.



Western Blot
Western blot analysis of WIPI1.
Load: rat colon tissue lysate.
Primary Antibody: WIPI1 antibody at (A) 1 and (B) 2 µg/mL.

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