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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-WIPI2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. WIPI2 antibody is human and rat reactive. Multiple isoforms of WIPI2 are known to exist. WIPI2 antibody is predicted to not cross-react with WIPI1.
Relevant Links:	• UniProtKB - Q9Y4P8 • GeneID - 26100 • NCBI - NP_001028690.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-WIPI2 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

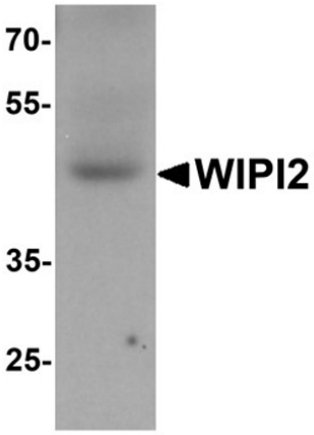
Formulation

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.

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