

Rabbit WIPI1 Polyclonal Antibody | anti-WIPI1 antibody

WIPI1 Antibody

CATALOG # AAA40726	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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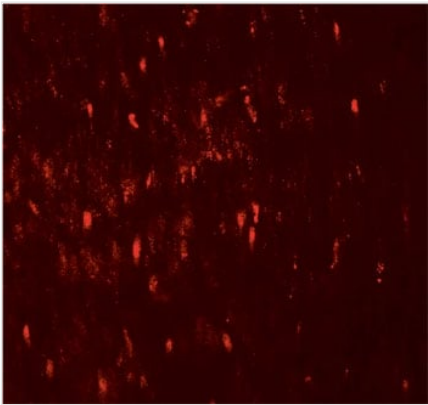
PRODUCT SYNONYMS

WIPI1; Polyclonal Antibody; WIPI1 Antibody; ATG18; ATG18A; WIPI49; WD repeat domain phosphoinositide-interacting protein 1; Atg18 protein homolog; WIPI-1; WD repeat domain; phosphoinositide interacting 1; anti-WIPI1 antibody

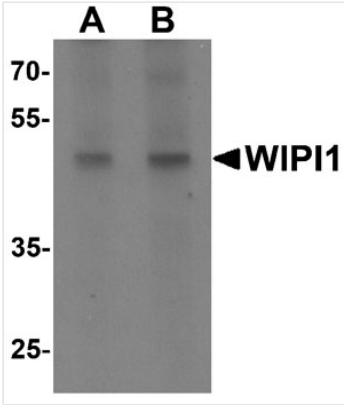
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of WIPI1 are known to exist; this antibody will detect both isoforms.
Purity/Purification	WIPI1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; WIPI1 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	446
Applicable Applications for anti-WIPI1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	WIPI1 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human WIPI1. The immunogen is located within amino acids 350-400 of WIPI1.
Preparation and Storage	WIPI1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of WIPI1 in human colon tissue with WIPI1 antibody at 20 µg/mL.



WB (Western Blot)
Western blot analysis of WIPI1 in rat colon tissue lysate with WIPI1 antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-WIPI1 antibody	WIPI1 Antibody: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157388939
NCBI GeneID	55062
NCBI Accession #	NP_060453
NCBI GenBank Nucleotide #	NM_017983.5
UniProt Accession #	Q5MNZ9; Q8IXM5; Q9NWF8
Molecular Weight	49 kDa
NCBI Official Full Name	WD repeat domain phosphoinositide-interacting protein 1
NCBI Official Synonym Full Names	WD repeat domain, phosphoinositide interacting 1
NCBI Official Symbol	WIPI1
NCBI Official Synonym Symbols	ATG18; ATG18A; WIPI49
NCBI Protein Information	WD repeat domain phosphoinositide-interacting protein 1; WIPI 49 kDa; WIPI-1 alpha; atg18 protein homolog; WD40 repeat protein Interacting with phosphoInositides of 49kDa; WD40 repeat protein interacting with phosphoinositides of 49 kDa
UniProt Protein Name	WD repeat domain phosphoinositide-interacting protein 1
UniProt Gene Name	WIPI1
UniProt Synonym Gene Names	WIPI49; WIPI-1; WIPI 49 kDa
UniProt Entry Name	WIPI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

