

Rabbit anti-Human, Mouse WIPI1 Polyclonal Antibody | anti-WIPI1 antibody

Rabbit anti-human WIPI1 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119874	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

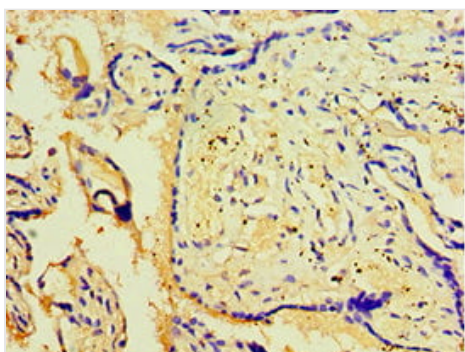
PRODUCT SYNONYMS

WIPI1; Polyclonal Antibody; Rabbit anti-human WIPI1 polyclonal Antibody; WIPI-1; Atg18 protein homolog; WD40 repeat protein interacting with phosphoinositides of 49 kDa; WIPI 49 kDa; WIPI49; anti-WIPI1 antibody

PRODUCT SPECIFICATIONS

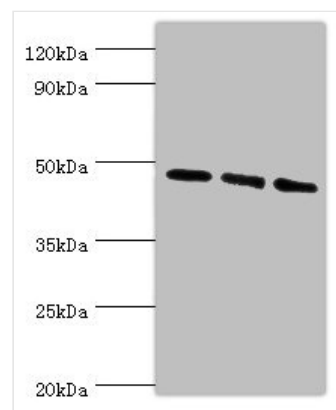
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	446
Applicable Applications for anti-WIPI1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human WD repeat domain phosphoinositide-interacting protein 1 protein (187-446aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-83064 / sc-83063 / sc-292635
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using AAA119874 at dilution 1:100



WB (Western Blot)

All lanes: WIPI1 antibody at 6ug/mL Lane 1:293T whole cell lysate Lane 2:NIH3T3 whole cell lysate Lane 3:mouse skeletal muscle Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 49kDa Observed band size: 49kDa

ADDITIONAL INFORMATION

Related Product Information for anti-WIP1 antibody	Plays an important role in autophagy and in particular starvation- and calcium-mediated autophagy, as well as in mitophagy. Functions upstream of the ATG12-ATG5-ATG16L1 complex and LC3, and downstream of the ULK1 and PI3-kinase complexes. Involved in xenophagy of Staphylococcus aureus. Invading S.aureus cells become entrapped in autophagosome-like WIP1 positive vesicles targeted for lysosomal degradation. Plays also a distinct role in controlling the transcription of melanogenic enzymes and melanosome maturation, a process that is distinct from starvation-induced autophagy. May also regulate the trafficking of proteins involved in the mannose-6-phosphate receptor (MPR) recycling pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157388939
NCBI GeneID	55062
NCBI Accession #	NP_060453.3
NCBI GenBank Nucleotide #	NM_017983.5
UniProt Accession #	Q5MNZ9; Q8IXM5; Q9NWF8
Molecular Weight	48,202 Da
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	WIP1
NCBI Official Synonym Symbols	ATG18; ATG18A; WIP49
NCBI Protein Information	WD repeat domain phosphoinositide-interacting protein 1
UniProt Protein Name	WD repeat domain phosphoinositide-interacting protein 1
UniProt Gene Name	WIP1
UniProt Synonym Gene Names	WIP49; WIP1-1; WIP1 49 kDa
UniProt Entry Name	WIP1_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/wip1-antibody-immunohistochemistry-western-blot-elisa/119874>