

PACO43809

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000,
IHC:1:20-1:200

Protein Background:

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 WIPI1 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.

Gene ID:

WIPI1

Uniprot

Q5MNZ9

Synonyms:

WD repeat domain phosphoinositide-interacting protein 1 (WIPI-1) (Atg18 protein homolog) (WD40 repeat protein interacting with phosphoinositides of 49 kDa) (WIPI 49 kDa), WIPI1, WIPI49

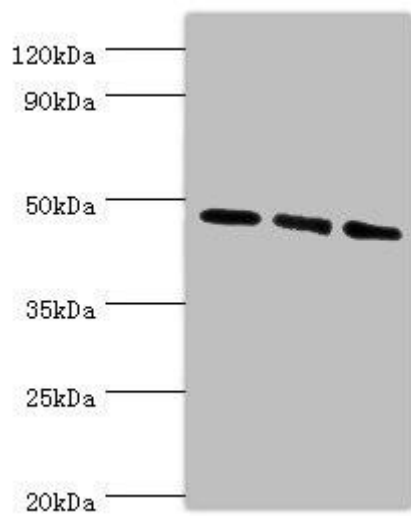
Immunogen:

Recombinant Human WD repeat domain phosphoinositide-interacting protein 1 protein (187-446AA).

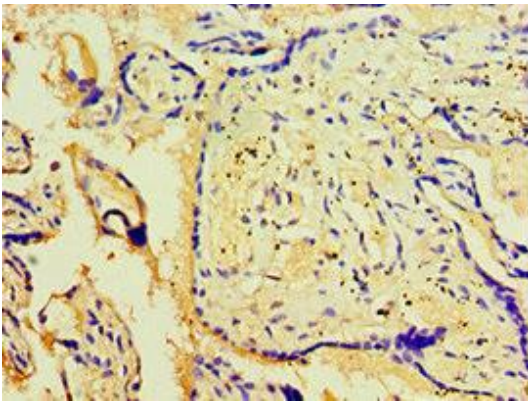
Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot. All lanes: WIP1 antibody at 6 μ g/ml. Lane 1: 293T whole cell lysate. Lane 2: NIH/3T3 whole cell lysate. Lane 3: Mouse skeletal muscle tissue. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 49 kDa. Observed band size: 49 kDa.



Immunohistochemistry of paraffin-embedded human placenta tissue using PACO43809 at dilution of 1:100.