

For Research Use Only

Phospho-ATG4B (Ser383) Recombinant antibody, PBS Only

Catalog Number: 85703-1-PBS



Basic Information

Catalog Number:

85703-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC000719

GeneID (NCBI):

23192

UNIPROT ID:

Q9Y4P1

Full Name:

ATG4 autophagy related 4 homolog B (S. cerevisiae)

Calculated MW:

44 kDa

Observed MW:

44-48 kDa

Purification Method:

Protein A purification

CloneNo.:

242927A2

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

ATG4B stimulates autophagy by promoting autophagosome formation through reversible modification of ATG8. In humans, microtubule-associated protein 1 light chain, LC3B, is the best-characterized ATG8 isoform, and ATG4B, but not three other ATG4 isoforms, displays a highly selective preference toward LC3B. MST4 phosphorylates ATG4B at serine residue 383, which stimulates ATG4B activity and increases autophagic flux. (PMID: 29232556, PMID: 36056541)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

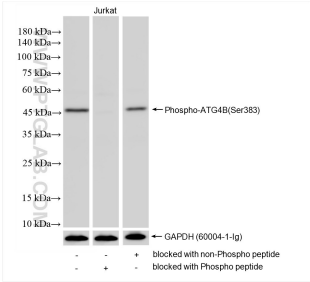
For technical support and original validation data for this product please contact:

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Selected Validation Data



Jurkat cell lysates were subjected to SDS PAGE followed by western blot with 85703-1-RR (Phospho-ATG4B (Ser383) antibody) blocked with BSA only, Phospho-ATG4B (Ser383) peptide or non-Phospho peptide at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 85703-1-PBS in a

