

ATG7

Polyclonal ANTIBODY

Catalog Number: 10088-2-AP

Featured Product

24 Publications

Basic Information

Catalog Number:
10088-2-AP

Size:
38 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG0142

GenBank Accession Number:
BC000091

GeneID (NCBI):
10533

Full Name:
ATG7 autophagy related 7 homolog (S. cerevisiae)

Calculated MW:
78 kDa

Observed MW:

Recommended Dilutions:

Applications

Tested Applications:
ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, pig, prawns, rat, swine, turtle

Positive Controls:

Background Information

Atg7 is an E1-like enzyme that is specifically involved in autophagosome formation and is essential for autophagy. As an autophagic-related protein it is required for linking to Atg12, Atg5 and Atg8, which are essential for Atg conjugation and autophagosome formation. Atg7 has been reported as important regulator of autophagy with starvation-induced or chemotherapeutic agent treatment.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|------------|-------------|
| Yannan Liu | 30207362 | Food Funct | WB, IHC |
| Wenjing Yang | 29228719 | Oncotarget | WB, IF |
| Bing Tang | 30367982 | Gene | WB |

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data