

For Research Use Only

# ATG4D Polyclonal antibody

Catalog Number: 16924-1-AP

Featured Product

6 Publications



## Basic Information

Catalog Number:

16924-1-AP

Size:

150ul, Concentration: 400 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10307

GenBank Accession Number:

BC068992

GeneID (NCBI):

84971

UNIPROT ID:

Q86TLO

Full Name:

ATG4 autophagy related 4 homolog D (S. cerevisiae)

Calculated MW:

474 aa, 53 kDa

Observed MW:

53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : human brain tissue,

## Background Information

ATG4D, a member of autophagy-related protein 4 (ATG4) family, plays an interplay role between autophagy and apoptosis in cancers. There are two Atg4 family members-Atg4C and Atg4D-contain cryptic mitochondrial targeting sequences immediately downstream of their canonical(DEVD) caspase cleavage sites. Consequently, caspase-cleaved Atg4D (DN63 Atg4D) localizes to the mitochondrial matrix when expressed in mammalian cells, where it undergoes further processing to a ~42 kDa mitochondrial form.

## Notable Publications

| Author            | Pubmed ID | Journal                | Application |
|-------------------|-----------|------------------------|-------------|
| Rachel Ulferts    | 34706226  | Cell Rep               | WB          |
| Alexander Agrotis | 30661429  | Autophagy              | WB          |
| Changhong Liu     | 32069702  | Mol Ther Nucleic Acids | WB          |

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

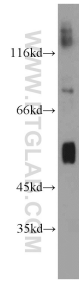
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 16924-1-AP (ATG4D antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.