

For Research Use Only

# ATG4D Polyclonal antibody

Catalog Number: 16924-1-AP

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 16924-1-AP	<b>GenBank Accession Number:</b> BC068992	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 84971	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> ATG4 autophagy related 4 homolog D (S. cerevisiae)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 474 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG10307	<b>Observed MW:</b> 53 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human brain tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

## 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

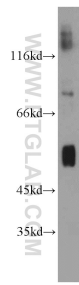
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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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.