

For Research Use Only

ATG4D Recombinant antibody

Catalog Number:83951-4-RR



Basic Information

Catalog Number: 83951-4-RR	GenBank Accession Number: BC068992	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 84971	CloneNo.: 241035G8
Source: Rabbit	UNIPROT ID: Q86TLO	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Isotype: IgG	Full Name: ATG4 autophagy related 4 homolog D (S. cerevisiae)	
Immunogen Catalog Number: AG10177	Calculated MW: 474 aa, 53 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A549 cells,

IHC : rat liver 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.

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

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

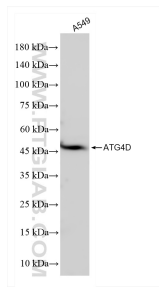
T: 4006900926

E: Proteintech-CN@ptglab.com

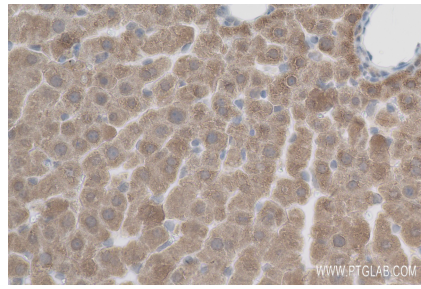
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

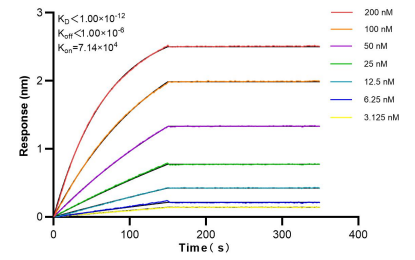
Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 83951-4-RR (ATG4D antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 83951-4-RR (ATG4D antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 83951-4-RR against Human ATG4D were performed. The affinity constant is below 1 pM.