

For Research Use Only

# ATG12 Polyclonal antibody

Catalog Number: 11264-1-AP **8 Publications**



## Basic Information

<b>Catalog Number:</b> 11264-1-AP	<b>GenBank Accession Number:</b> BC012266	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 800 µg/ml	<b>GeneID (NCBI):</b> 9140	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O94817	
<b>Isotype:</b> IgG	<b>Full Name:</b> ATG12 autophagy related 12 homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG1791	<b>Calculated MW:</b> 15 kDa	
	<b>Observed MW:</b> 48-55 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, ELISA

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human, mouse

**Cited Species:**  
human, rat, mouse

**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:** PC-3 cells, COLO 320 cells, NIH/3T3 cells, HeLa cells, HCT 116 cells

**IHC:** human colon cancer tissue,

**IF:** PC-3 cells,

## Background Information

ATG12, also named as APG12 and APG12L, belongs to the ATG12 family. It is required for autophagy. Free ATG12 is 15kd or 8kd. Conjugated to ATG5, ATG12-ATG5 show 48-55kd.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huangrong Zhu	36120586	Front Cell Dev Biol	WB,IF
Xinxin Si	36382664	Pharmacology	IHC
Jian-He Lu	34070854	Biology (Basel)	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

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

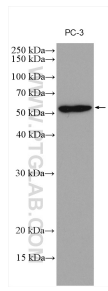
T: 4006900926

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.**

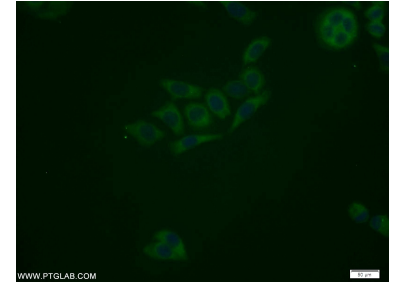
## Selected Validation Data



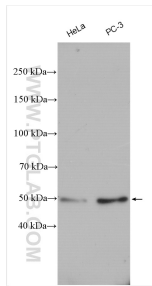
PC-3 cells were subjected to SDS PAGE followed by western blot with 11264-1-AP (ATG12 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



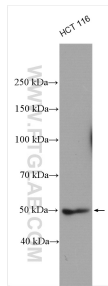
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11264-1-AP (ATG12 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of PC-3 cells using 11264-1-AP (ATG12 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 11264-1-AP (ATG12 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



HCT 116 cells were subjected to SDS PAGE followed by western blot with 11264-1-AP (ATG12 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.