

For Research Use Only

# ATG9A Polyclonal antibody

Catalog Number: 26276-1-AP **6 Publications**



## Basic Information

<b>Catalog Number:</b> 26276-1-AP	<b>GenBank Accession Number:</b> BC065534	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 79065	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7Z3C6	
<b>Isotype:</b> IgG	<b>Full Name:</b> ATG9 autophagy related 9 homolog A (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG24212	<b>Calculated MW:</b> 837 aa, 94 kDa	
	<b>Observed MW:</b> 94 kDa	

## Applications

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

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

## Background Information

ATG9A is the only transmembrane ATG protein essential for autophagy. It plays a key role in the organization of the preautophagosomal structure/phagophore assembly site (PAS). It has been reported that ATG9A expression is increased in oral squamous cell carcinoma and breast cancers. The inhibition of ATG9A can lead to an inhibition of cancer cell proliferation and invasion.(PMID: 29437695, 29568063)

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuhong Zhang	35646533	Acta Pharm Sin B	WB
Zhiping Li	36449254	Mol Neurobiol	WB
Cefan Zhou	32727463	Mol Cancer	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:

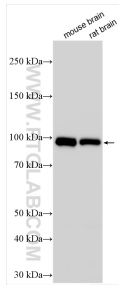
T: 4006900926

E: Proteintech-CN@ptglab.com

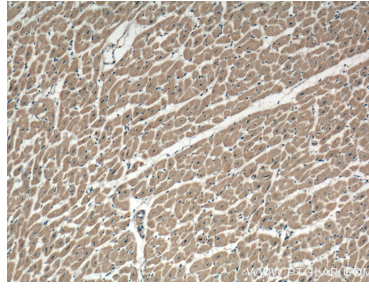
W: ptgcn.com

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

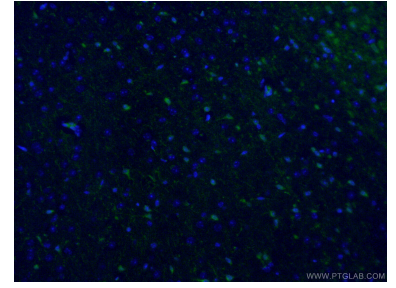
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26276-1-AP (ATG9A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 26276-1-AP (ATG9A Antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 26276-1-AP (ATG9A antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).