

# 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> 150ul , Concentration: 300 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	<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>Full Name:</b> ATG9 autophagy related 9 homolog A (S. cerevisiae)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 837 aa, 94 kDa	
<b>Immunogen Catalog Number:</b> AG24212	<b>Observed MW:</b> 94 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human heart tissue, human brain tissue
<b>Cited Species:</b> human, mouse, rat	<b>IF :</b> mouse brain tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

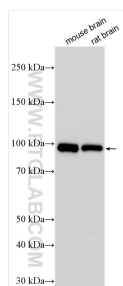
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

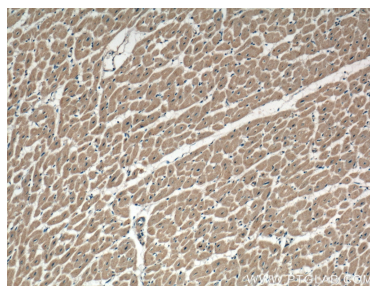
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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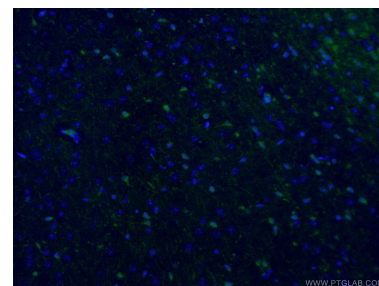
## Selected Validation Data



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).