

For Research Use Only

ATG9A Polyclonal antibody

Catalog Number: 26276-1-AP

9 Publications



Basic Information

Catalog Number:

26276-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24212

GenBank Accession Number:

BC065534

GeneID (NCBI):

79065

UNIPROT ID:

Q7Z3C6

Full Name:

ATG9 autophagy related 9 homolog A (S. cerevisiae)

Calculated MW:

837 aa, 94 kDa

Observed MW:

94 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

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

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : human heart tissue, human brain tissue

IF-P : mouse brain tissue,

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

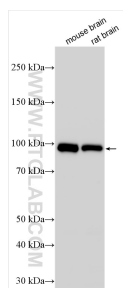
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

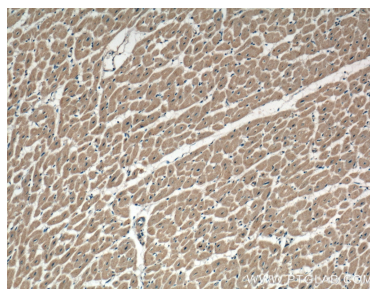
E: proteintech@ptglab.com
W: ptglab.com

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

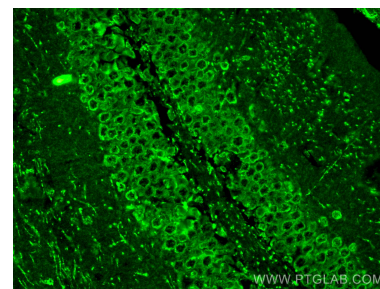
Selected Validation Data



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 ATG9A antibody (26276-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).