

For Research Use Only

ATG12 Polyclonal antibody

Catalog Number: 11122-1-AP

36 Publications



Basic Information

Catalog Number:

11122-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1586

GenBank Accession Number:

BC011033

GeneID (NCBI):

9140

UNIPROT ID:

O94817

Full Name:

ATG12 autophagy related 12 homolog
(S. cerevisiae)

Calculated MW:

16 kDa

Observed MW:

48-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, pig, hamster

**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 : human bladder tissue, UV treated HEK-293

IP : HEK-293 cells,

IHC : human prostate cancer tissue,

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
Samana Batool	30274346	Int J Mol Sci	WB
Yannan Liu	30207362	Food Funct	WB, IHC
Min Liu	28871079	Nat Commun	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:

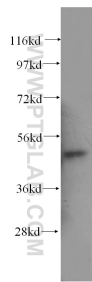
T: 4006900926

E: Proteintech-CN@ptglab.com

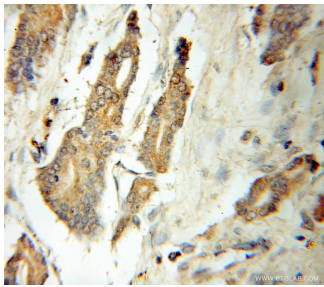
W: ptgcn.com

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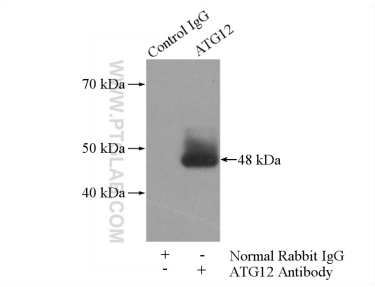
Selected Validation Data



human bladder tissue were subjected to SDS PAGE followed by western blot with 11122-1-AP (ATG12 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11122-1-AP (ATG12 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-ATG12 (IP:11122-1-AP, 4ug; Detection:11122-1-AP 1:300) with HEK-293 cells lysate 880ug.