

For Research Use Only

GABARAPL1 Polyclonal antibody

Catalog Number: 11010-1-AP

Featured Product

66 Publications



Basic Information

Catalog Number:

11010-1-AP

Concentration:

700 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1473

GenBank Accession Number:

BC009309

GeneID (NCBI):

23710

UNIPROT ID:

Q9HOR8

Full Name:

GABA(A) receptor-associated protein like 1

Calculated MW:

14 kDa

Observed MW:

16 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, monkey, prawn

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, HepG2 cells, human heart tissue, mouse liver tissue, rat brain tissue

IP: mouse liver tissue,

IHC: mouse brain tissue, human ovary tumor tissue, human liver tissue

IF/ICC: Chloroquine treated HeLa cells, Chloroquine treated HepG2 cells

Background Information

GABARAPL1 (GABARAP-like protein 1), also named ATG8, GEC1, APG8L, ATG8L, and APG8-LIKE, is a member of the GABARP (GABAA receptor-associated protein) family. GABARAPL1 was initially identified as an estrogen-regulated gene, and the protein acts in receptor and vesicle transport. It's also involved in the process of autophagy, like GABARAP and GABARAPL2, and may be considered an autophagic marker. It is expressed at very high levels in the brain, heart, peripheral blood leukocytes, liver, kidney, placenta, and skeletal muscle, and at very low levels in the thymus and small intestine. The antibody is specific to GABARAPL1, and it doesn't recognize the recombinant GABARAP and GABARAPL2.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------------|-----------|--------------------------|-------------|
| Marine Jacquet | 34681055 | Biology (Basel) | WB,IHC |
| Noam D Rudnick | 28904095 | Proc Natl Acad Sci U S A | IHC,IF |
| Leïla Fonderflick | 36139357 | Cells | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

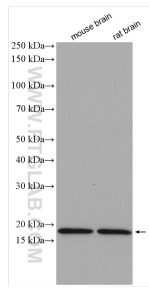
T: 4006900926

E: Proteintech-CN@ptglab.com

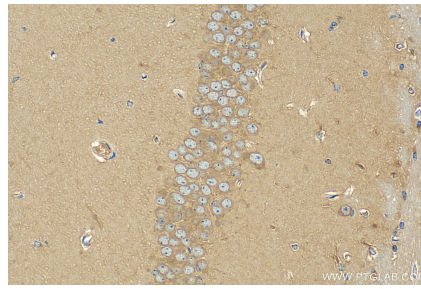
W: ptgcn.com

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

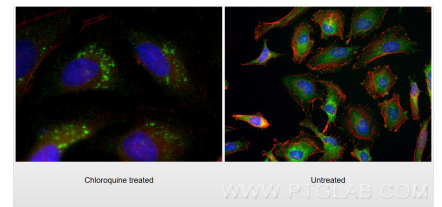
Selected Validation Data



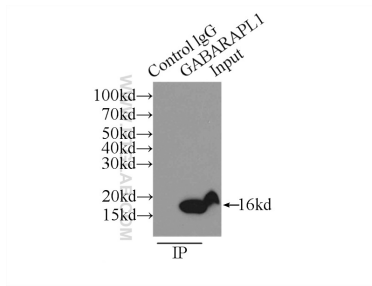
Various lysates were subjected to SDS PAGE followed by western blot with 11010-1-AP (GABARAPL1-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



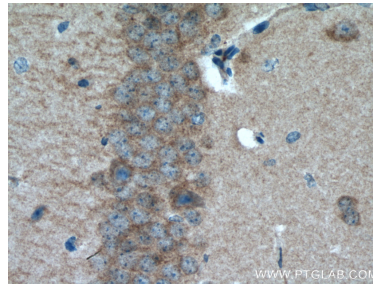
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11010-1-AP (GABARAPL1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



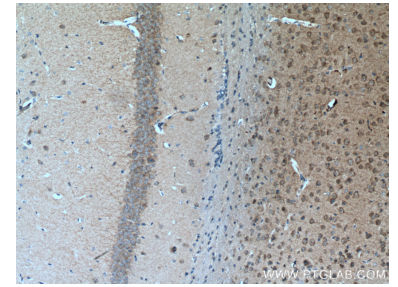
Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HeLa cells using GABARAPL1-Specific antibody (11010-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-GABARAPL1 (IP:11010-1-AP, 3ug; Detection:11010-1-AP 1:500) with mouse liver tissue lysate 5000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11010-1-AP (GABARAPL1-Specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11010-1-AP (GABARAPL1-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).