

For Research Use Only

GABARAP Polyclonal antibody

Catalog Number: 18723-1-AP

Featured Product

25 Publications



Basic Information

Catalog Number:

18723-1-AP

Size:

900 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC106748

GeneID (NCBI):

11337

UNIPROT ID:

O95166

Full Name:

GABA(A) receptor-associated protein

Calculated MW:

14 kDa

Observed MW:

14-18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, monkey

Positive Controls:

WB : HeLa cells, A549 cells, mouse brain tissue, human placenta tissue, mouse pancreas tissue, human heart tissue, mouse skeletal muscle tissue, HuH-7 cells, SH-SY5Y cells, RAW 264.7 cells, mouse liver tissue, rat brain tissue

IP : HeLa cells,

IF/ICC : HepG2 cells, Starvation treated HepG2 cells

Background Information

GABARAP (Gamma-aminobutyric acid type A receptor-associated protein), was initially identified as GABAA receptor binding protein and has shown to be implicated in intracellular trafficking of GABAA receptors. Through interacting with a broad range of proteins, GABARAP has been demonstrated as a multifunctional protein implicated in intracellular vesicle trafficking, apoptosis, and autophagy. The protein level of lipidated form of GABARAP (GABARAP-II) is upregulated during the autophagic process, which makes it as an autophagic marker. This antibody detected endogenous GABARAP protein in lysates from various tissues. It may cross-react with GABARAPL1 due to the high identity of amino acid sequence.

Notable Publications

Author	Pubmed ID	Journal	Application
Linyu Sun	34555354	Mol Cell	WB
Svenja Zielke	33111629	Autophagy	WB
Zhen-Hua Chen	27740626	Cell Death Differ	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:

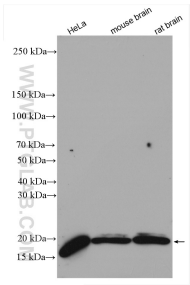
T: 4006900926

E: Proteintech-CN@ptglab.com

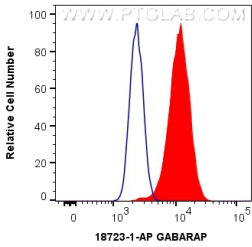
W: ptgcn.com

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

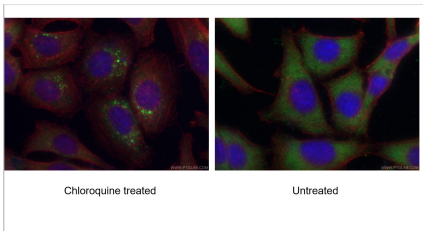
Selected Validation Data



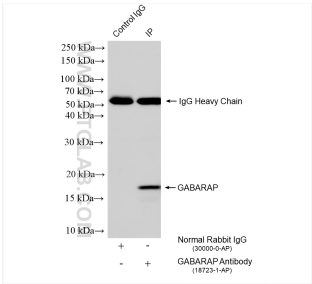
Various lysates were subjected to SDS PAGE followed by western blot with 18723-1-AP (GABARAP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human GABARAP (18723-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HepG2 cells and untreated HepG2 cells using GABARAP antibody (18723-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-GABARAP (IP:18723-1-AP, 4ug; Detection:18723-1-AP 1:2000) with HeLa cells lysate 1200 ug.