Datasheet for ABIN388564

anti-GABARAP antibody (AA 1-30)

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Overview

Quantity:	400 µL
Target:	GABARAP
Binding Specificity:	AA 1-30
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABARAP antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This GABARAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids of human GABARAP.
Clone:	RB11846
Isotype:	IgG
Predicted Reactivity:	B, Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GABARAP

Target Details

Alternative Name:	GABARAP (GABARAP Products)
Background:	Gamma-aminobutyric acid A receptors [GABA(A) receptors] are ligand-gated chloride channels that mediate inhibitory neurotransmission. GABARAP is GABA(A) receptor-associated protein, which is highly positively charged in its N-terminus and shares sequence similarity with light chain-3 of microtubule-associated proteins 1A and 1B. This protein clusters neurotransmitter receptors by mediating interaction with the cytoskeleton.
Molecular Weight:	13918
Gene ID:	11337
NCBI Accession:	NP_009209
UniProt:	O95166
Pathways:	Autophagy

Application Details

Application Notes:	IF: 1:25. IF: 1:25. WB: 1:1000-1 :2000. IHC-P: 1:25. IHC-P: 1:25
Restrictions:	For Research Use only

Handling

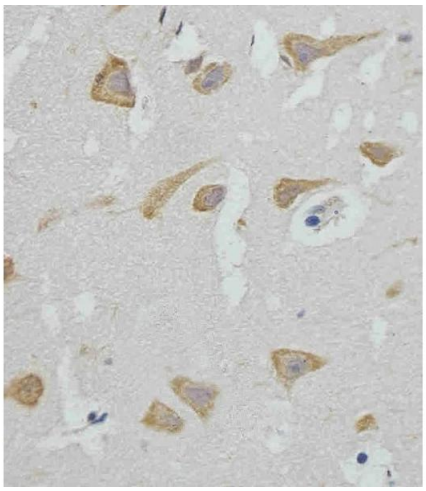
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Kevin Li-Chun, Schob, Zeller, Pulli, Ali, Wang, Chiou, Tsang, Lee, Stossel, Chen: "Gelsolin decreases actin toxicity and inflammation in murine multiple sclerosis." in: **Journal of**

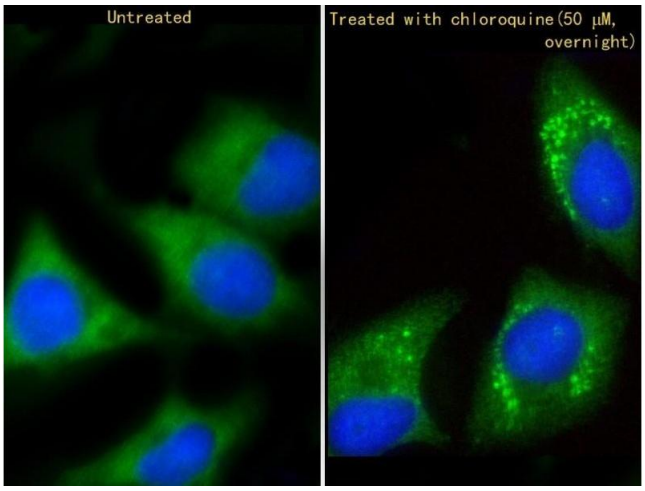
neuroimmunology, Vol. 287, pp. 36-42, (2015) (PubMed).

Images



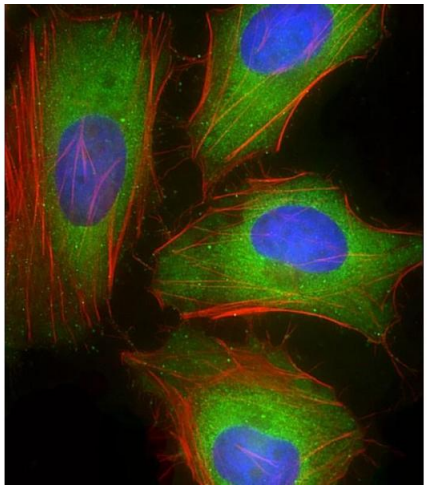
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN388564 and ABIN2849716) staining GABAR in human brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized Hela (human cervical epithelial adenocarcinoma cell line)(Hela-C:Serum-starve overnight,Hela-chloroquine:50 μM, overnight, right) cells labeling GABAR with 1821a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and autophagic vacuoles staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DI (blue).



Immunofluorescence

Image 3. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling GABAR with 1821a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and weak nucleus staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DI (blue).

Please check the product details page for more images. Overall 5 images are available for ABIN388564.