BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-GABARAPL2 Antibody

Catalog Number: A01927-1

About GABARAPL2

Gamma-aminobutyric acid (GABA) is the main inhibitory transmitter by increasing a Cl-conductance that inhibits neuronal firing in the central nervous system (1). It has been shown to activate both ionotropic (GABAA) and metabotropic (GABAB) receptors as well as a third class of receptors called GABAC (2). GABARAPL2 (GABAA receptor-associated protein-like 2), also known as GATE16, was initially identified as a membrane transport modulator and is a mammalian ortholog to the autophagy protein ATG8 (3,4). It is thought that GABARAPL2 and other members of the ATG8 family act as scaffolds for assembly of the Unc-51 like kinase (ULK) complex in the formation of autophagosomes (5).

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Overview

Product Name	Anti-GABARAPL2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GABARAPL2 Antibody (Catalog # A01927-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	GABARAPL2 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	GABARAPL2 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P60520

Technical Details

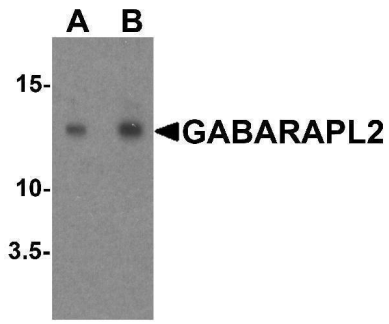
Immunogen	GABARAPL2 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human GABARAPL2. The immunogen is located within the last 50 amino acids of GABARAPL2.
Predicted Reactive Species	Bovine
Cross Reactivity	GABARAPL2 antibody is human, mouse and rat reactive. Multiple isoforms of GABARAPL2 are known to exist.

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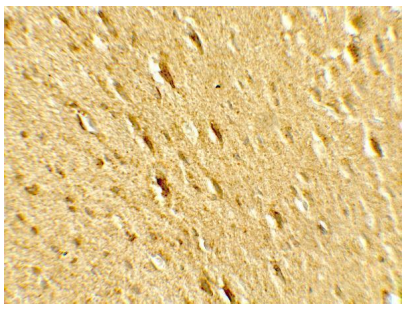
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	GABARAPL2 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	GABARAPL2 antibody can be used for detection of GABARAPL2 by Western blot at 1 - 2 ug/ml. Antibody can also be used for Immunohistochemistry at 5 ug/mL. For Immunoflorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse and rat samples and Immunofluorescence in mouse and rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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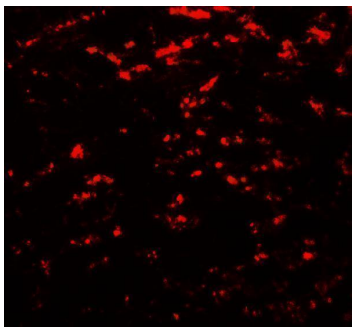
Anti-GABARAPL2 Antibody (A01927-1) Images



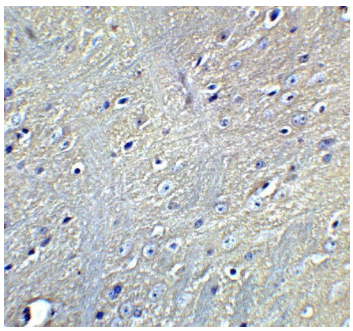
Western blot analysis of GABARAPL2 in human brain tissue lysate with GABARAPL2 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of GABARAPL2 in rat brain tissue with GABARAPL2 antibody at 5 ug/mL.



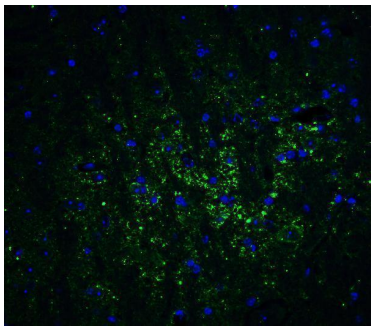
Immunofluorescence of GABARAPL2 in rat brain tissue with GABARAPL2 antibody at 20 ug/mL.



Immunohistochemistry of GABARAPL2 in mouse brain tissue with GABARAPL2 Antibody at 5 ug/mL.

Immunofluorescence of GABARAPL2 in mouse brain tissue with GABARAPL2 Antibody at 20 ug/mL.Green: GABARAPL2 Antibody (A01927-1) Blue: DAPI staining

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For Research Use Only. Not for use in diagnostic procedures.