

## Anti-GABARAP Antibody

Catalog Number: A01907

### About GABARAP

Gamma-aminobutyric acid (GABA) is the main inhibitory transmitter by increasing a Cl<sup>-</sup> conductance that inhibits neuronal firing in the central nervous system. It has been shown to activate both ionotropic (GABAA) and metabotropic (GABAB) receptors as well as a third class of receptors called GABAC. GABARAP (GABAA receptor-associated protein) links GABAA receptors to the cytoskeleton and may play a role in intracellular transport of GABAA receptors and its interaction with the cytoskeleton. GABARAP belongs to the MAP1 or ATG8 like family and recent studies show that MAPK15/ERK8 is acting through interaction with ATG8 family proteins to regulate autophagy.

### Overview

Product Name	Anti-GABARAP Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GABARAP Antibody (Catalog # A01907). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	GABARAP Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	GABARAP antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	O95166

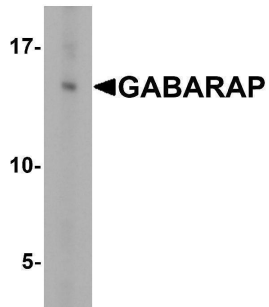
### Technical Details

Immunogen	GABARAP antibody was raised against a 19 amino acid peptide near the amino terminus of human GABARAP. The immunogen is located within the first 50 amino acids of GABARAP.
Predicted Reactive Species	Bovine, Rabbit
Cross Reactivity	Multiple isoforms of GABARAP exist due to alternative splicing events.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	GABARAP Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	GABARAP antibody can be used for detection of GABARAP by Western blot at 1 - 2 ug/mL.

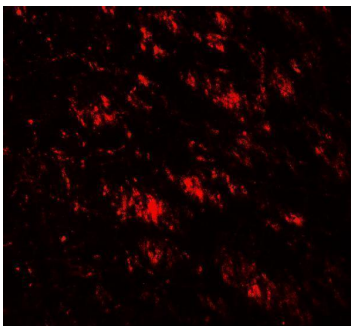
Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

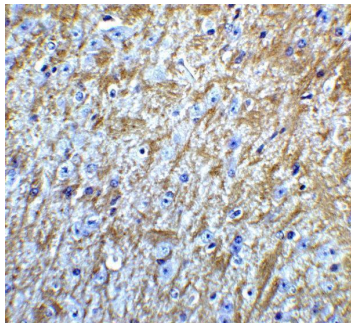
## Anti-GABARAP Antibody (A01907) Images



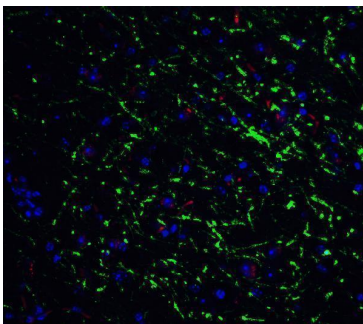
Western blot analysis of GABARAP in HeLa cell lysate with GABARAP antibody at 1 ug/ml.



Immunofluorescence of GABARAP in human brain tissue with GABARAP antibody at 20 ug/ml.



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



Immunofluorescence of GABARAP in mouse brain tissue with GABARAP Antibody at 20 ug/mL. Green: GABARAP antibody (A01907) Red: Phalloidin staining Blue: DAPI staining

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Anti-GABARAP Antibody

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