

## Anti-GAP43 Antibody

Catalog Number: M01868-3

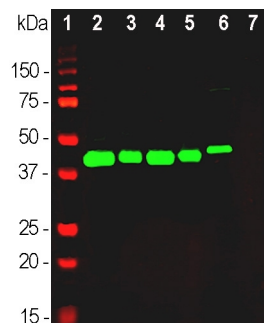
### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-GAP43 Antibody   |
| Reactive Species     | Bovine, Chicken, Equine, Human, Mouse, Pig, Rat   |
| Description          | Boster Bio Anti-GAP43 Antibody catalog # M01868-3. Tested in IF, IHC, WB applications. This antibody reacts with Bovine, Chicken, Equine, Human, Mouse, Pig, Rat. |
| Application          | IF, IHC, WB   |
| Clonality            | Polyclonal  |
| Formulation          | Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN <sub>3</sub>  |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                        |
| Host                 | Rabbit  |
| Uniprot ID           | P17677  |

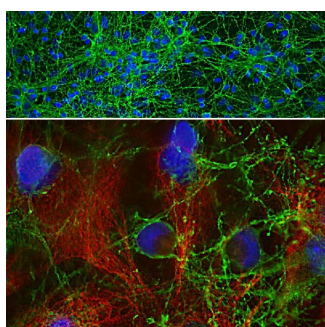
### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | C-terminal peptide of rodent GAP43, KEDPEADQEHA coupled to KLH   |
| Concentration       | 0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.   |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blots: 1:10,000 IF/ICC and IHC: 1:1,000</p> |

## Anti-GAP43 Antibody (M01868-3) Images



Western blot analysis of different tissue and cell lysates using rabbit pAb to GAP43, M01868-3, dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] SH-SY5Y cells, [7] C6 cells. Single band at 43 kDa mark corresponds to GAP43 protein. The GAP43 protein is detected only in the lysates of neuronal origin. C6 cells are a rat glioma cell line and do not express GAP43 protein.



Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with rabbit pAb to GAP43, M01868-3, dilution 1:2,000 in green, and costained with mouse mAb to vimentin, dilution 1:2,000, in red. The blue is DAPI staining of nuclear DNA. GAP43 antibody labels protein expressed in the axonal membrane of neuronal cells, while vimentin antibody stains intermediate filaments in fibroblasts and other non-neuronal cells.

## 2 Publications Citing This Product

1. PubMed ID: 28054637, Liu H, Lv P, Zhu Y, Wu H, Zhang K, Xu F, Zheng L, Zhao J. Sci Rep. 2017 Jan 5;7:39869. doi: 10.1038/srep39869. Salidroside promotes peripheral nerve regeneration based on tissue engineering strategy using Schwann cells and PLGA: in vitro and in vivo
2. PubMed ID: 29707580, Liu Z, Liu H, Zeng ZH. Biomed Res Int. 2018 Mar 7;2018:8697913. doi: 10.1155/2018/8697913. eCollection 2018. Chronic Unpredictable Mild Stress Causing Cardiac and Thoracic Spinal Cord Electrophysiological Abnormalities May Be Associated with Incre...

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