

## Anti-GAP43 Antibody (Monoclonal, GAP-7B10)

Catalog Number: MA1042

### About Gap43

GAP43 is expressed by developing and regenerating neurons, and to a lesser extent, reactive glial cells. It is used widely to specifically label injured neurons and to score neuronal regeneration. GAP43 is also a neuronal growth cone protein thought to be involved in pathfinding. GAP43 is considered to be a crucial component of an effective regenerative response in the nervous system.

### Overview

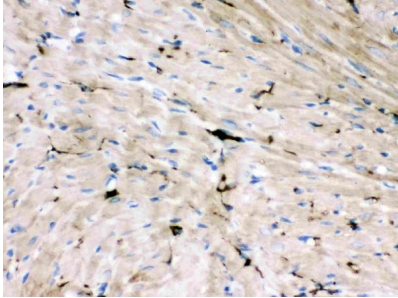
Product Name	Anti-GAP43 Antibody (Monoclonal, GAP-7B10)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GAP43 Antibody (Monoclonal, GAP-7B10) catalog # MA1042. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal GAP-7B10
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P07936

### Technical Details

Immunogen	GAP-43 from neonatal rat forebrain membranes.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and IHC(F).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG2a
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 1-2ug/ml, Human, mouse, rat Immunohistochemistry (Frozen Section), 1-2ug/ml, Human, mouse, rat, -

Western blot, 0.5-1ug/ml, Human, mouse, rat

## Anti-GAP43 Antibody (Monoclonal, GAP-7B10) (MA1042) Images



Anti-GAP43 antibody, MA1042, IHC(P)IHC(P): Rat Cardiac Muscle Tissue

## 11 Publications Citing This Product

1. PubMed ID: 33531914, Lin J, Hao C, Gong Y, Zhang Y, Li Y, Feng Z, Xu X, Huang H, Liao W. Effect of Tetramethylpyrazine on Neuroplasticity after Transient Focal Cerebral Ischemia Reperfusion in Rats. *Evid Based Complement Alternat Med.* 2021 Jan 18;2021:1587241. doi:10.1155/2021/1587241
2. PubMed ID: 33245424, Shi W, Bian L, Lv D, Bi S, Dai Y, Yang K, Lu H, Zhou H, Que Y, Wang D, Zhang Z, Lu N. Enhanced neural differentiation of neural stem cells by sustained release of Shh from TG2 gene-modified EMSC co-culture in vitro. *Amino Acids.* 2020 Nov 27. doi: 10.1007/
3. PubMed ID: 26136892, Fructus Corni extract-induced neuritogenesis in PC12 cells is associated with the suppression of stromal interaction molecule 1 expression and inhibition of Ca<sup>2+</sup> influx

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