BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GAP43 Antibody (Monoclonal, 35G80)

Catalog Number: M01868-7

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.

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Overview

Product Name	Anti-GAP43 Antibody (Monoclonal, 35G80)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GAP43 Antibody (Monoclonal, 35G80) catalog # M01868-7. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal 35G80
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN3.
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

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Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Western blot, 0.5-1ug/ml, Human, mouse, rat Immunohistochemistry (Paraffin-embedded Section), 1-2ug/ml, Human, mouse, rat Immunohistochemistry (Frozen Section), 1-2ug/ml, Human, mouse, rat

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