Product Name: GAP-43(Mix)Mouse Monoclonal Antibody
Catalog #: AMM11295

Summary

Production Name	GAP-43(Mix)Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS, pH 7.4, containing 0.5%BSA, 0.02% New type preservative N as Preservative and 50% Glycerol.
Purification	Affinity purification

Immunogen

Gene Name	GAP43
Alternative Names	GAP43; Neuromodulin; Axonal membrane protein GAP-43; Growth-associated protein 43; Neural phosphoprotein B-50; pp46
Gene ID	2596.0
SwissProt ID	P17677.Recombinant Protein of GAP-43

Application

Dilution Ratio	WB 1:1000-2000 IHC 1:200-500
Molecular Weight	38,43kD

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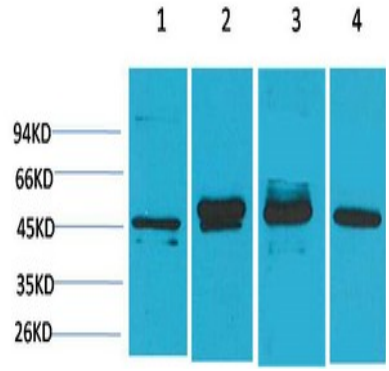
Background

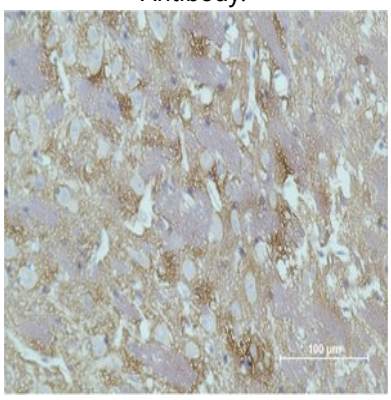
The protein encoded by this gene has been termed a 'growth' or 'plasticity' protein because it is expressed at high levels in neuronal growth cones during development and axonal regeneration. This protein is considered a crucial component of an effective regenerative response in the nervous system. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008],function:This protein is associated with nerve growth. It is a major component of the motile "growth cones" that form the tips of elongating axons.,online information:Gap-43 entry,PTM:Phosphorylation of this protein by a protein kinase C is specifically correlated with certain forms of synaptic plasticity.,similarity:Belongs to the neuromodulin family.,similarity:Contains 1 IQ domain.,subcellular location:Cytoplasmic surface of growth cone and synaptic plasma membranes.,subunit:Binds calmodulin with a greater affinity in the absence of Ca(2+) than in its presence.,

Research Area

Image Data



Western blot analysis of 1） Hela, 2） 293T, 3） Mouse Brain Tissue, 4） Rat Brain Tissue using GAP-43 Monoclonal Antibody.



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Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using GAP-43 Monoclonal Antibody.

Note

For research use only.