



GAP43 Rabbit mAb

Catalog No	YP-rAb-17833
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	GAP43
Protein Name	Neuromodulin
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	GAP-43;Neuromodulin;GAP43 ; Neuromodulin ; Axonal membrane protein GAP-43 ; Growth-associated protein 43 ; Neural phosphoprotein B-50 ; pp46;GAP43
Observed Band	48kD
Calculated Molecular Weight	25kD
Cell Pathway	Cytoplasm, Membrane
Tissue Specificity	Alzheimer cortex,Brain,Subthalamic nucleus,
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.,
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.

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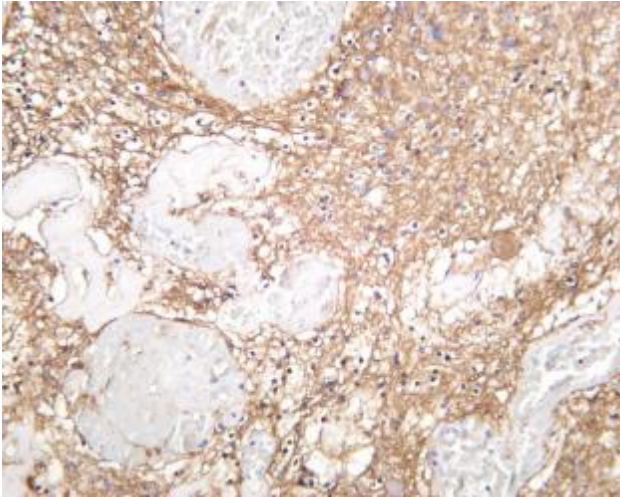
Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

matters needing attention

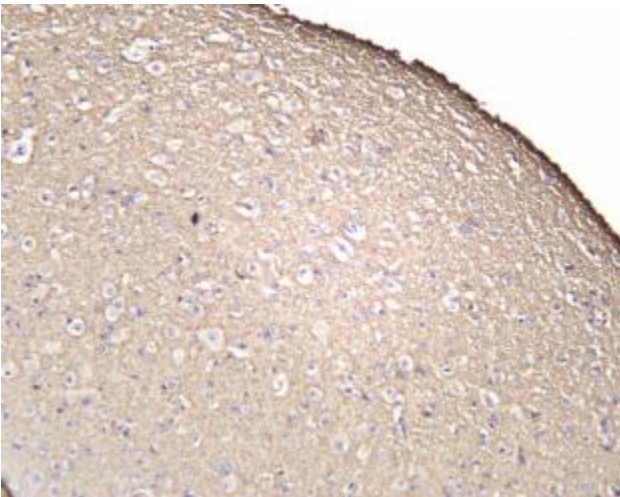
Avoid repeated freezing and thawing!

Usage suggestions

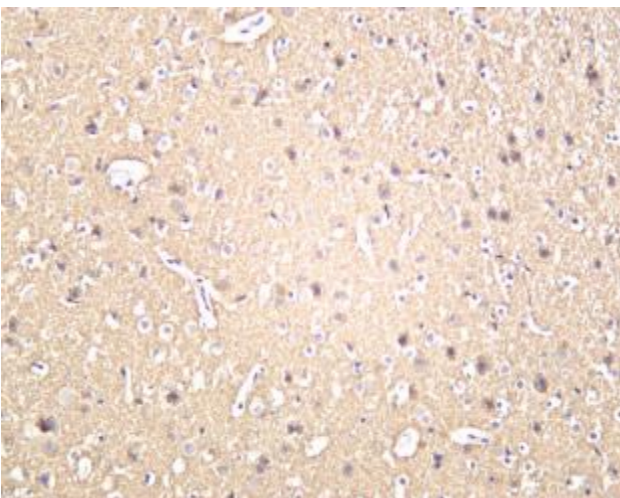
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Human glioma was stained with anti-GAP43 rabbit antibody

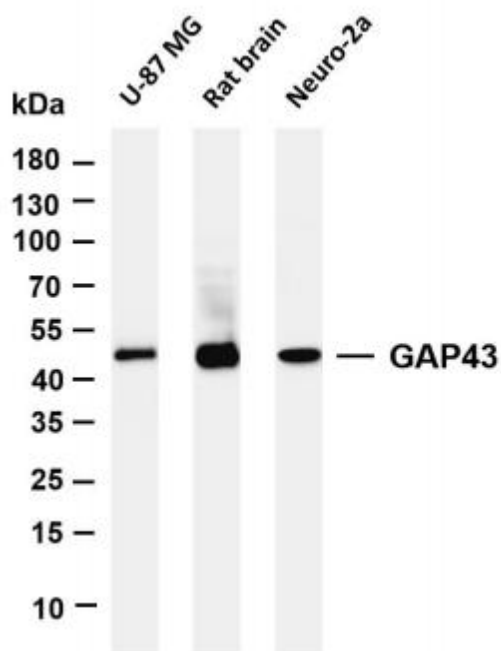


Mouse brain was stained with anti-GAP43 rabbit antibody

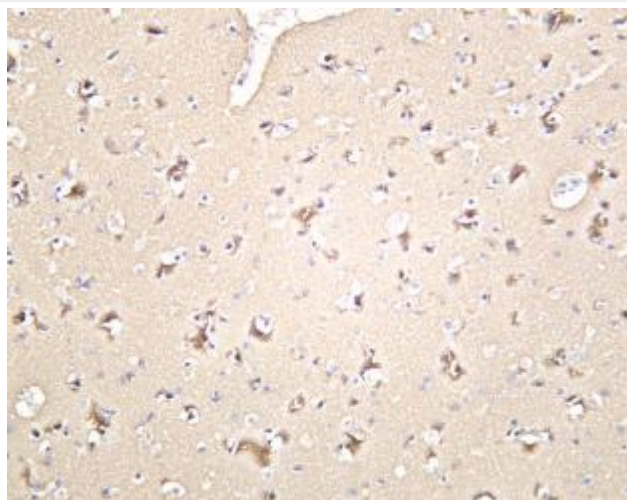


Rat brain was stained with anti-GAP43 rabbit antibody





Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GAP43 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: U-87 MG Lane 2: Rat brain Lane 3: Neuro-2a Predicted band size: 25kDa Observed band size: 48kDa



Human brain was stained with anti-GAP43 rabbit antibody

