

GAP43 (Mix) Mouse mAb

CatalogNo: YM3379

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF

MW

- 38,43kD (Observed)

Recommended Dilution Ratios

WB 1:1000-2000

IHC 1:200-500

IF 1:50-200

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

PBS, pH 7.4, containing 0.5% BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Basic Information

Clonality

Monoclonal

Immunogen Information

Immunogen

Recombinant Protein of GAP-43

Specificity

The antibody detects endogenous GAP-43 protein.

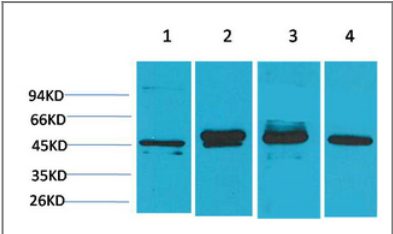
Target Information

Gene name

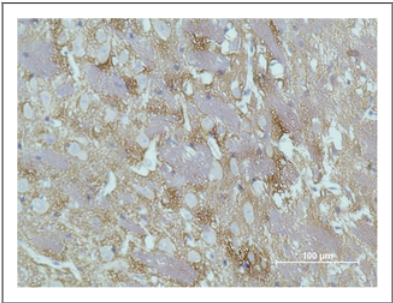
GAP43

Protein Name	Neuromodulin		
	Organism	Gene ID	UniProt ID
	Human	2596 ;	P17677 ;
	Mouse	14432 ;	P06837 ;
	Rat	29423 ;	P07936 ;
Cellular Localization	Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, growth cone membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell junction, synapse . Cell projection, filopodium membrane ; Peripheral membrane protein . Perikaryon . Cell projection, dendrite . Cell projection, axon . Cytoplasm . Cytoplasmic surface of growth cone and synaptic plasma membranes. .		
Tissue specificity	Alzheimer cortex,Brain,Subthalamic nucleus,		
Function	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.,		

Validation Data



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



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

Contact information

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**GAP43 (Mix) Mouse
mAb**

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