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GAP43 Rabbit mAb

Catalog # AP75475

Product Information

Application	WB, IHC-P, IHC-F, FC, IP
Primary Accession	P17677
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	24803

Additional Information

Gene ID	2596
Other Names	GAP43
Dilution	WB~~1:500-1:1000 IHC-P~~N/A IHC-F~~N/A FC~~1:20-1:50 IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

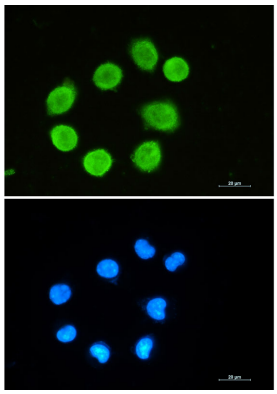
Protein Information

Name	GAP43
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. Plays a role in axonal and dendritic filopodia induction.
Cellular Location	Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, growth cone membrane; Peripheral membrane protein; Cytoplasmic side. Synapse Cell projection, filopodium membrane; Peripheral membrane protein. Perikaryon {ECO:0000250|UniProtKB:P07936}. Cell projection, dendrite {ECO:0000250|UniProtKB:P07936}. Cell projection, axon {ECO:0000250|UniProtKB:P07936}. Cytoplasm {ECO:0000250|UniProtKB:P07936}. Note=Cytoplasmic surface of growth cone and synaptic plasma membranes.

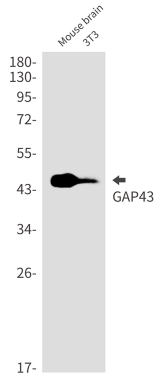
Background

This protein is associated with nerve growth. It is a major component of the motile "growth cones" that form the tips of elongating axons. Plays a role in axonal and dendritic filopodia induction.

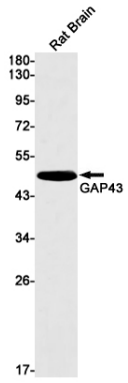
Images



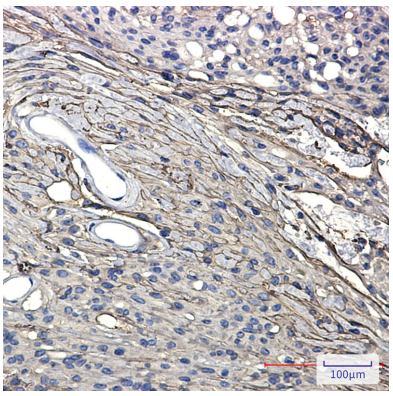
Immunocytochemistry analysis of GAP43 (green) in SH-SY5Y using GAP43 antibody,and DAPI(blue).



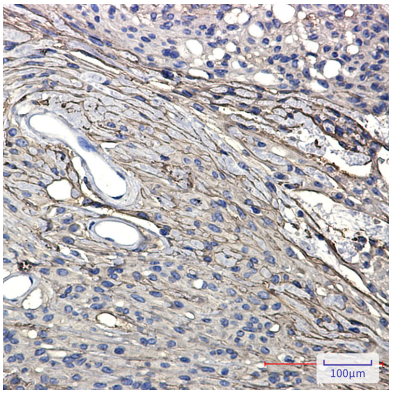
Western blot analysis of GAP43 in mouse brain, 3T3 lysates using GAP43 antibody.



Western blot analysis of GAP43 in rat Brain lysates using GAP43 antibody



Immunohistochemistry analysis of paraffin-embedded Human Brain using GAP43 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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