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GAP43 Antibody

Rabbit mAb
Catalog # AP90637

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	P17677
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	GAP43, Axonal membrane protein GAP-43, B-50, Growth associated protein 43, Neural phosphoprotein B-50, Neuromodulin, PP46, GAP-43, Protein F1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	24803

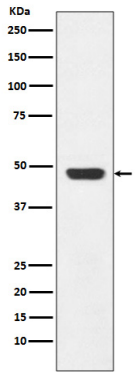
Additional Information

Dilution	WB 1:10000~1:50000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:30 FC 1:20
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GAP43
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of GAP43 expression in SH-SY5Y cell lysate.

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Immunohistochemical analysis of paraffin-embedded human stomach, using GAP43 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.