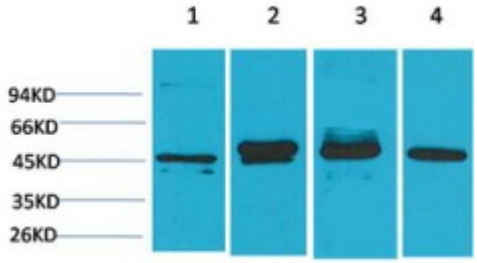
Anti-GAP-43 antibody



Description	Mouse monoclonal to GAP-43.

Model	STJ97396
Host	Mouse
Reactivity	Human, Mouse, Rat
Applications	IHC, WB
Immunogen	Recombinant Protein
Gene ID	2596
Gene Symbol	GAP43
Dilution range	WB 1:1000-2000IHC1:200-500
Specificity	The antibody detects endogenous GAP-43 protein.
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Clone ID	Mix
Note	For Research Use Only (RUO).
Protein Name	Neuromodulin Axonal membrane protein GAP-43 Growth-associated protein 43 Neural phosphoprotein B-50 pp46
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1

Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:4140OMIM:162060
Alternative Names	Neuromodulin Axonal membrane protein GAP-43 Growth-associated protein 43 Neural phosphoprotein B-50 pp46
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 Localization	Cell membrane Cell projection, growth cone membrane Cell junction, synapse Cell projection, filopodium membrane. Cytoplasmic surface of growth cone and synaptic plasma membranes.
Post-translational Modifications	Phosphorylated at Ser-41 by PHK. Phosphorylation of this protein by a protein kinase C is specifically correlated with certain forms of synaptic plasticity.; Palmitoylation by ARF6 is essential for plasma membrane association and axonal and dendritic filopodia induction. Deacylated by LYPLA2.