Best Tools for immunology Research

GAP43 Polyclonal Antibody

Catalog No :	YN5586
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	GAP-43
Gene Name :	GAP43
Protein Name :	Neuromodulin
Human Gene Id :	2596
Human Swiss Prot No :	P17677
Mouse Gene Id :	14432
Mouse Swiss Prot No :	P06837
Rat Gene Id :	29423
Rat Swiss Prot No :	P07936
Immunogen :	Recombinant Protein of Neuromodulin
Specificity :	The antibody detects endogenous GAP43 protein.
Formulation :	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-3000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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

Observed Band : 38,43kD

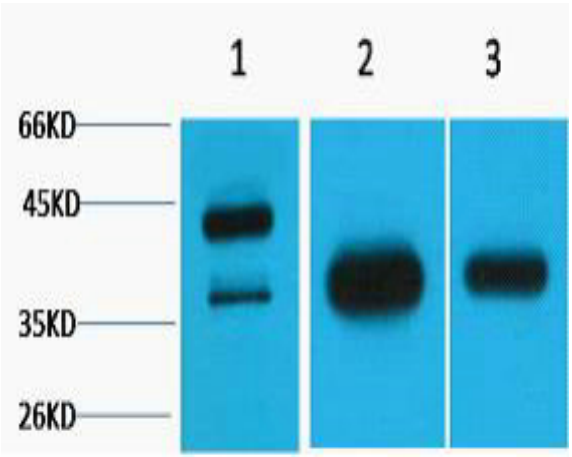
Background : The protein encoded by this gene has been termed a 'growth' or 'plasticity' protein because it is expressed at high levels in neuronal growth cones during development and axonal regeneration. This protein is considered a crucial component of an effective regenerative response in the nervous system. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

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.,

Subcellular Location : 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. .

Expression : Alzheimer cortex,Brain,Subthalamic nucleus,

Products Images



Western blot analysis of 1) Hela, 2) Mouse Brain, 3) Rat Brain tissue, diluted at 1:3000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000