



Mouse Monoclonal Antibody **GAP43** conjugated to Sepharose Beads

CatalogNo: **ANT8178-S**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

GAP43 (ANT0004R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Host Species

- Rabbit
- Human, Mouse, Rat,

Reactivity

- WB, IHC, IF, IP, ELISA

Applications

MW

- 25kD (Calculated)
- 48kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

IP

Basic Information

Clonality

Monoclonal

Clone Number ANT0004R

Immunogen Information

Specificity Endogenous

Gene name GAP43

Protein Name Neuromodulin

Organism	Gene ID	UniProt ID
Human	2596 ;	P17677 ;
Mouse	14432 ;	P06837 ;
Rat	29423 ;	P07936 ;

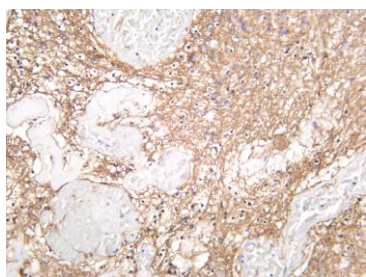
Cellular Localization Cytoplasm, Membrane

Tissue specificity Alzheimer cortex,Brain,Subthalamic nucleus,

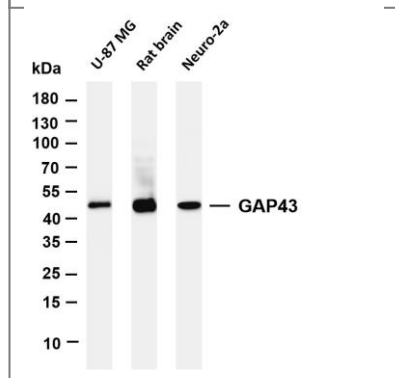
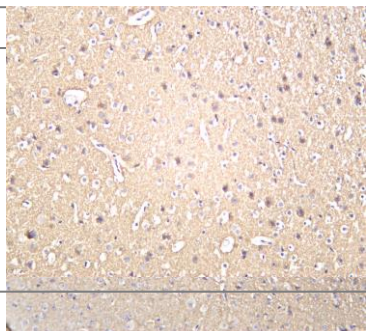
Function Function:This protein is associated with nerve growth. It is a major component of the motile "growth cones" that form the tips of elongating axons.,online information:Gap-43 entry,ANTM:Phosphorylation of this protein by a protein kinase C is specifically correlated with certain forms of synaptic 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

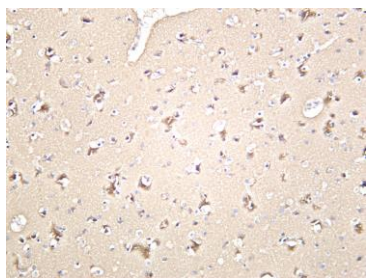
Human glioma was stained with anti-GAP43 (ANT0004R) rabbit antibody



Mouse brain was stained with anti-GAP43 (ANT0004R) rabbit antibody
Rat brain was stained with anti-GAP43 (ANT0004R) rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GAP43 (ANT0004R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: U-87 MG Lane 2: Rat brain Lane 3: Neuro-2a Predicted band size: 25kDa Observed band size: 48kDa



Human brain was stained with anti-GAP43 (ANT0004R) rabbit antibody

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