

## GAP43 (ANT0004R) Rabbit mAb

CatalogNo: ANT8178 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA  
Quantity : 100 ug/vial

### Host Species

- Rabbit
- Human,Mouse,Rat,

### Reactivity

- WB,IHC,IF,IP,ELISA

### Applications

### MW

- 25kD (Calculated)
  - IgG,Kappa
- 48kD (Observed)

### Isotype

## Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

## Storage

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

## Basic Information

**Clonality** Monoclonal

**Clone Number** ANT0004R

## Target Information

Endogenous

Gene nameGAP43

Protein NameNeuromodulin

Organism	Gene ID	UniProt ID
Human	<a href="#">2596</a> ;	<a href="#">P17677</a> ;
Mouse	<a href="#">14432</a> ;	<a href="#">P06837</a> ;
Rat	<a href="#">29423</a> ;	<a href="#">P07936</a> ;

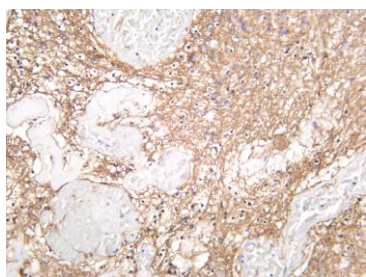
Cellular LocalizationCytoplasm, Membrane

Tissue specificityAlzheimer cortex,Brain,Subthalamic nucleus,

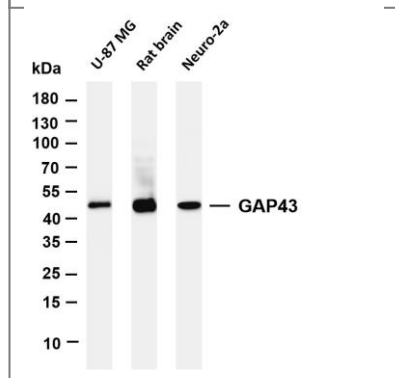
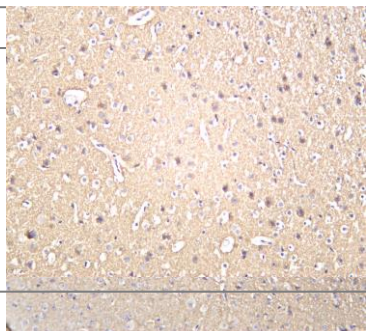
FunctionFunction:This protein is associated with nerve growth. It is a major component of the motile "growth cones" that form the tips of elongating axons.,online information:Gap-43 entry,ANTM:Phosphorylation of this protein by a protein kinase C is specifically correlated with certain forms of synaptic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

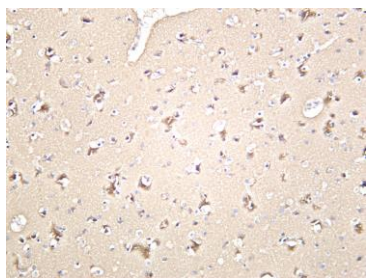
Human glioma was stained with anti-GAP43 (ANT0004R) rabbit antibody



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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