

**Product Name: GAP43 Rabbit Monoclonal Antibody****Catalog #: AMRe02021**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.3mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 25 kDa; Observed MW: 46 kDa

**Antigen Information**

<b>Gene Name</b>	GAP43
<b>Alternative Names</b>	GAP43; Neuromodulin; Axonal membrane protein GAP-43; Growth-associated protein 43; Neural phosphoprotein B-50; pp46
<b>Gene ID</b>	2596
<b>SwissProt ID</b>	P17677
<b>Immunogen</b>	A synthetic peptide of human GAP43

**Background**

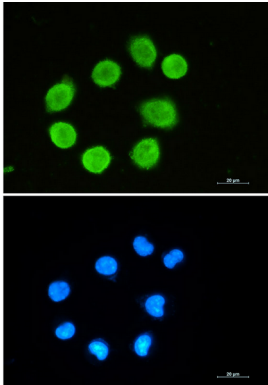
This protein is associated with nerve growth. It is a major component of the motile "growth cones" that form the tips of

elongating axons. Plays a role in axonal and dendritic filopodia induction.

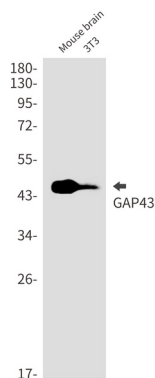
## Research Area

Neuroscience

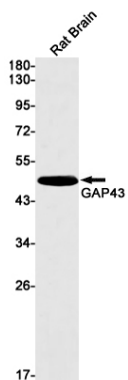
## Image Data



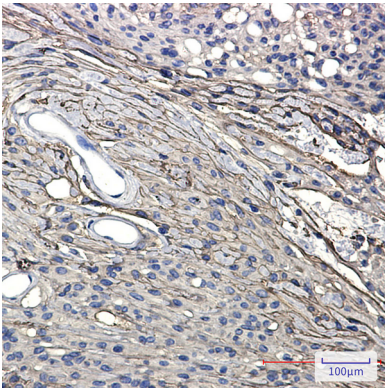
Immunocytochemistry analysis of GAP43 (green) in SH-SY5Y using GAP43 antibody, and DAPI (blue).



Western blot analysis of GAP43 in mouse brain, 3T3 lysates using GAP43 antibody.



Western blot analysis of GAP43 in rat Brain lysates using GAP43 antibody



Immunohistochemistry analysis of paraffin-embedded Human Brain using GAP43 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.