

**GAP43 Antibody**  
**Rabbit mAb**  
**Catalog # AP90637****Specification**

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**GAP43 Antibody - Product Information**

Application	WB, IHC, FC, ICC, IP
Primary Accession	<a href="#">P17677</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
GAP43, Axonal membrane protein GAP-43, B-50, Growth associated protein 43, Neural phosphoprotein B-50, Neuromodulin, PP46, GAP-43, Protein F1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	24803 Da

**GAP43 Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GAP43
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**GAP43 Antibody - Protein Information****Name** GAP43**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 Location**

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, growth cone

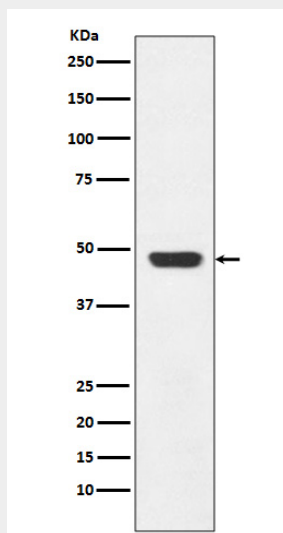
membrane; Peripheral membrane protein; Cytoplasmic side. Synapse Cell projection, filopodium membrane; Peripheral membrane protein. Perikaryon {ECO:0000250|UniProtKB:P07936}. Cell projection, dendrite {ECO:0000250|UniProtKB:P07936}. Cell projection, axon {ECO:0000250|UniProtKB:P07936}. Cytoplasm {ECO:0000250|UniProtKB:P07936}.  
Note=Cytoplasmic surface of growth cone and synaptic plasma membranes.

## **GAP43 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **GAP43 Antibody - Images**



Western blot analysis of GAP43 expression in SH-SY5Y cell lysate.