

Anti-GAP43 Rabbit Monoclonal Antibody
Catalog # ABO13657**Specification**

Anti-GAP43 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P17677
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-GAP43 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-GAP43 Rabbit Monoclonal Antibody - Additional Information

Gene ID 2596

Other Names

Neuromodulin, Axonal membrane protein GAP-43, Growth-associated protein 43, Neural phosphoprotein B-50, pp46, GAP43

Calculated MW

24803 MW KDa

Application Details

WB 1:10000-1:50000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:30
FC 1:20

Subcellular Localization

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. Cytoplasmic surface of growth cone and synaptic plasma membranes.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human GAP43

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated

freeze-thaw cycles.

Anti-GAP43 Rabbit Monoclonal 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

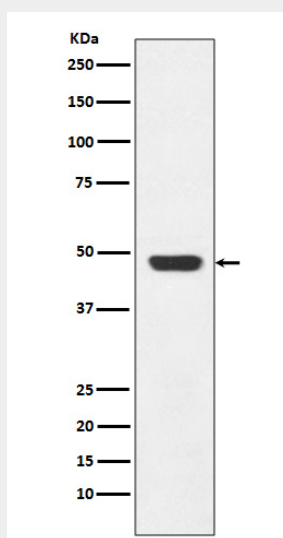
Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, growth cone membrane; Peripheral membrane protein; Cytoplasmic side. Synapse Cell projection, filopodium membrane; Peripheral membrane protein. Perikaryon {ECO:0000250|UniProtKB:P07936}. Cell projection, dendrite {ECO:0000250|UniProtKB:P07936}.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

Anti-GAP43 Rabbit Monoclonal Antibody - Protocols

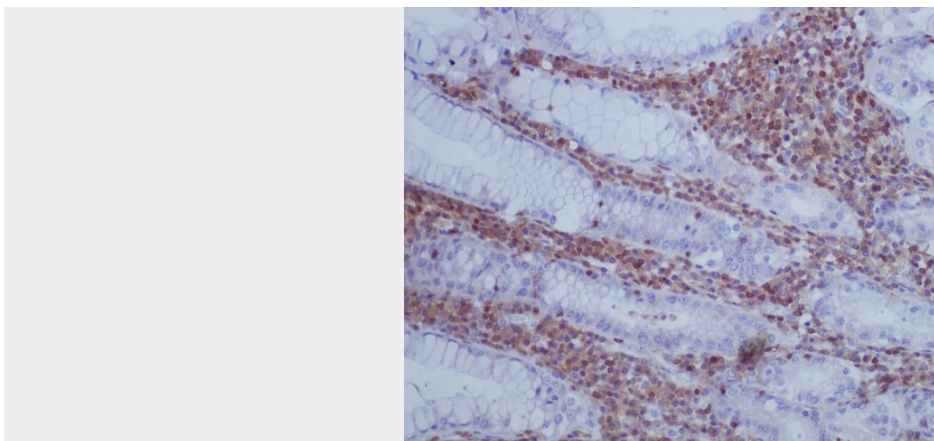
Provided below are standard protocols that you may find useful for product applications.

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

Anti-GAP43 Rabbit Monoclonal Antibody - Images



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



Immunohistochemical analysis of paraffin-embedded human stomach, using GAP43 Antibody.