10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-Growth associated protein 43 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1808

Specification

KD-Validated Anti-Growth associated protein 43 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P17677
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 25 kDa , observed, 4 8 kDa KDa**
Gene Name	**GAP43**
Aliases	**GAP43; Growth Associated Protein 43; Axonal Membrane Protein GAP-43; Neural Phosphoprotein B-50; Neuromodulin; GAP-43; B-50; PP46; Neuron Growth-Associated Protein 43; Nerve Growth-Related Peptide GAP43; Calmodulin-Binding Protein P-57; Protein F1; Growth-Associated Protein 43; Pp46**
Immunogen	**A synthesized peptide derived from human GAP43**

KD-Validated Anti-Growth associated protein 43 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

KD-Validated Anti-Growth associated protein 43 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}.

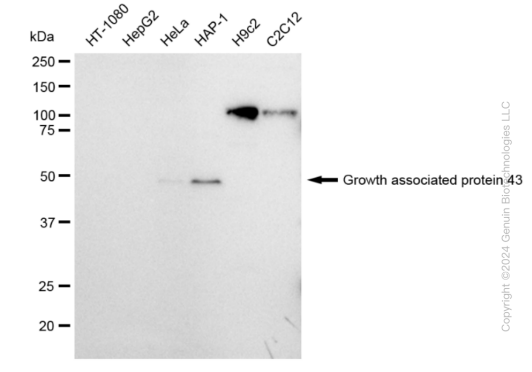
Note=Cytoplasmic surface of growth cone and synaptic plasma membranes.

KD-Validated Anti-Growth associated protein 43 Rabbit Monoclonal Antibody - Protocols

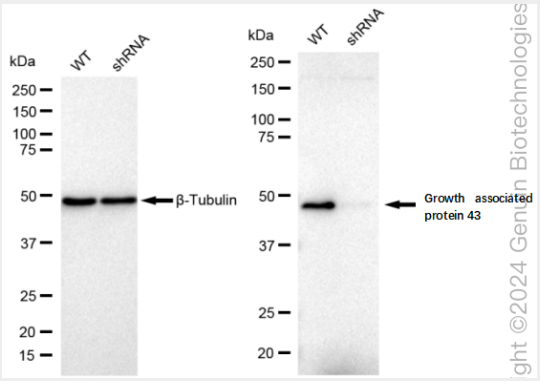
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Growth associated protein 43 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Growth associated protein 43 antibody (Cat#AGI1808). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Growth associated protein 43 antibody (Cat#AGI1808, 1:50,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Growth associated protein 43 antibody (Cat#AGI1808). Growth associated protein 43 expression in wild type (WT) and growth associated protein 43 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Growth associated protein 43 antibody (Cat#AGI1808, 1:50,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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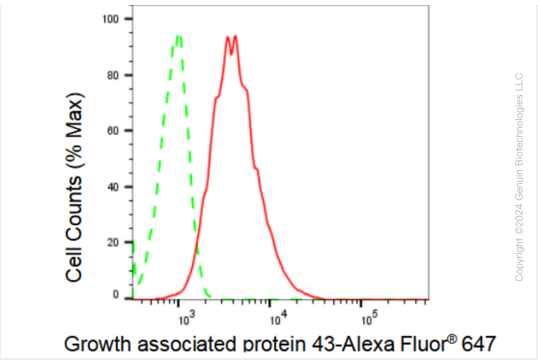
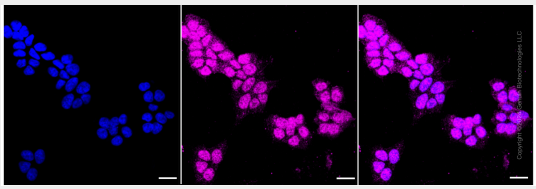


Flow cytometric analysis of Growth associated protein 43 expression in HAP-1 cells using Growth associated protein 43 antibody (Cat#AGI1808, 1:2,000). Green, isotype control; red, Growth associated protein 43.



Immunocytochemical staining of HAP-1 cells with Growth associated protein 43 antibody (Cat#AGI1808, 1:1,000). Nuclei were stained blue with DAPI; Growth associated protein 43 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.