

Rabbit GAP43 Polyclonal Antibody | anti-GAP43 antibody

GAP43 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29963	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

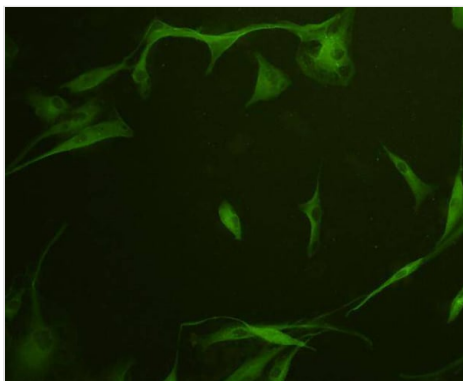
PRODUCT SYNONYMS

GAP43; Polyclonal Antibody; GAP43 Antibody; Axonal membrane protein GAP 43 antibody; Axonal membrane protein GAP-43 antibody; B 50 antibody; Calmodulin binding protein P 57 antibody; F1 antibody; GAP 43 antibody; GAP43 antibody; Growth Associated Protein 43 antibody; Growth-associated protein 43 antibody; Nerve Growth Related Peptide antibody; Nerve growth related peptide GAP43 antibody; NEUM_HUMAN antibody; Neural phosphoprotein B 50 antibody; Neural phosphoprotein B-50 antibody; Neuromodulin antibody; Neuron growth associated protein 43 antibody; PP46 antibody; Protein F1 antibody; QtrA-11580 antibody; QtrA-13071 antibody; anti-GAP43 antibody

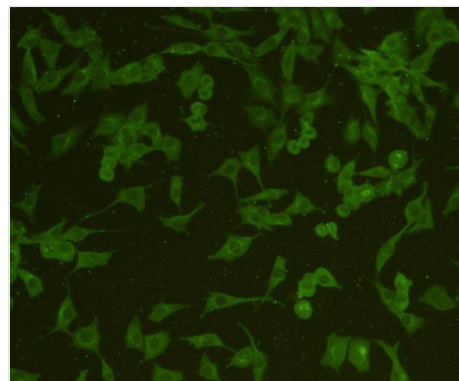
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-GAP43 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 IHC: 1:200 ICC: 1:200 FC/FACS: 1:100-1:200
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

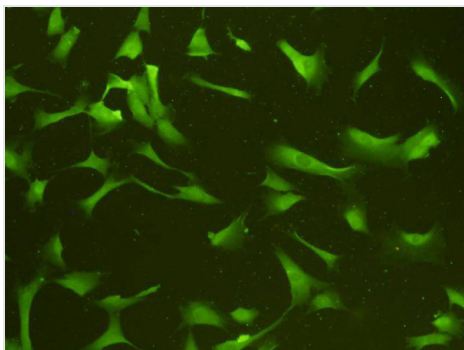
IMAGES


ICC (Immunocytochemistry)

ICC staining GAP43 in A172 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

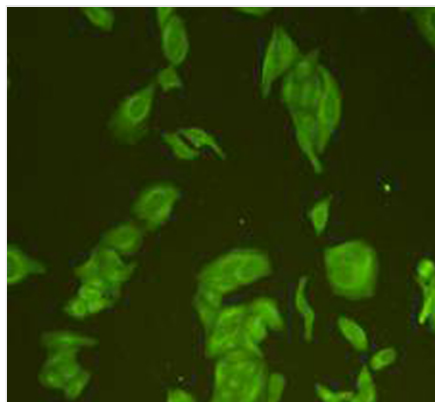

ICC (Immunocytochemistry)

ICC staining GAP43 in SHG-44 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



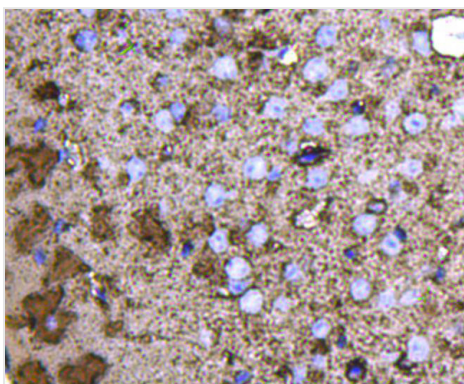
ICC (Immunocytochemistry)

ICC staining GAP43 in NIH/3T3 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



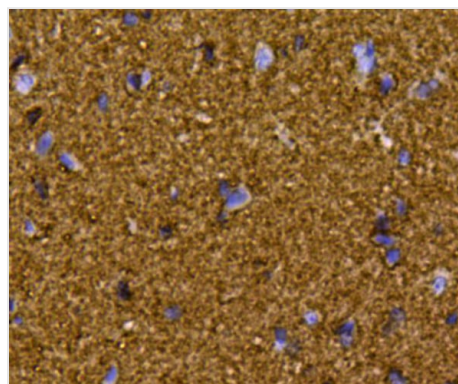
ICC (Immunocytochemistry)

ICC staining GAP43 in HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-GAP43 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-GAP43 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-GAP43 antibody	GAP43, is a nervous tissue-specific cytoplasmic protein that can be attached to the membrane via a dual palmitoylation sequence on cysteines 3 and 4. This sequence targets GAP43 to lipid rafts. It is a major protein kinase C (PKC) substrate and is considered to play a key role in neurite formation, regeneration, and plasticity. The role of GAP-43 in CNS development is not limited to effects on axons: It is also a component of the centrosome, and differentiating neurons that do not express GAP-43 show mislocalization of the centrosome and mitotic spindles, particularly in neurogenic cell divisions. As a consequence, in the cerebellum, the neuronal precursor pool fails to expand normally and the cerebellum is significantly smaller.
Product Categories/Family for anti-GAP43 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679935
NCBI GeneID	14432
NCBI Accession #	NP_032109.1
NCBI GenBank Nucleotide #	NM_008083.2
UniProt Accession #	P06837
Molecular Weight	23,632 Da
NCBI Official Full Name	neuromodulin
NCBI Official Synonym Full Names	growth associated protein 43

NCBI Official Symbol	Gap43
NCBI Official Synonym Symbols	B-50; Basp2; GAP-43
NCBI Protein Information	neuromodulin
UniProt Protein Name	Neuromodulin
UniProt Gene Name	Gap43
UniProt Synonym Gene Names	Basp2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gap43-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29963>