

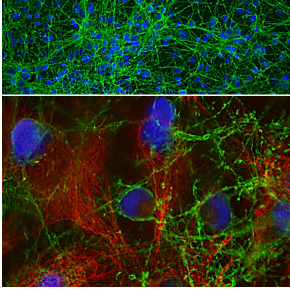
Anti-GAP43 Antibody (A85394)

Specifications:

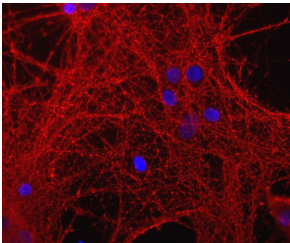
Name:	Anti-GAP43 Antibody
Description:	Rabbit polyclonal antibody to GAP43.
Specificity:	This antibody binds strongly to growth cones and axonal processes of neurons in cell culture and to synaptic regions in sectioned material.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:10,000, ICC/IF: 1:1,000, IHC: 1:1,000
Reactivity:	Human, Horse, Bovine, Porcine, Rat, Mouse
Immunogen:	Recombinant construct corresponding to the C-terminal of rodent GAP43, coupled to KLH.
Sequence:	KEDPEADQEHA
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	~43 kDa (by SDS-PAGE)
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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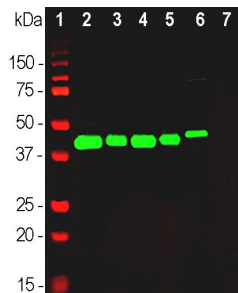
Images:



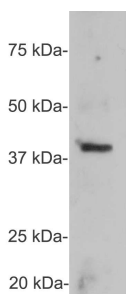
Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with Anti-GAP43 Antibody (1:2,000 | green) and Anti-Vimentin Antibody (A85423 | 1:2,000 | red). The blue is DAPI staining of nuclear DNA. Anti-GAP43 Antibody labels protein expressed in the axonal membrane of neuronal cells, while Anti-Vimentin Antibody stains intermediate filaments in fibroblasts and other non-neuronal cells.



Mixed neuron-glia cultures stained with Anti-GAP43 Antibody (red). Blue is DNA staining.



Western blot analysis of different tissue and cell lysates using Anti-GAP43 Antibody (1:20,000 | green): [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] SH-SY5Y cells, [7] C6 cells. Single band at 43 kDa mark corresponds to GAP43 protein. The GAP43 protein is detected only in the lysates of neuronal origin. C6 cells are a rat glioma cell line and do not express GAP43 protein.



Western blot of homogenate of cow cerebellum stained with Anti-GAP43 Antibody. A prominent band running at ~43 kDa represents the full length GAP43.