Mouse GAP43 Monoclonal Antibody | anti-GAP43 antibody

GAP43 (IgG)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76611	**Mouse**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry**

PRODUCT SYNONYMS

GAP43; Monoclonal Antibody; GAP43 (IgG); anti-GAP43 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	274
Applicable Applications for anti-GAP43 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	ecombinant full-length Human GAP43

IMAGES

WB (Western Blot)
Western blot analysis of different tissue and cell lysates using mouse mAb to GAP43, MO22171, dilution 1:2,000, in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] C6 cells, [7] SH-SY5Y cells. Single band at 43 kDa mark correspond to GAP43 protein.

IF (Immunofluorescence)
Immunofluorescent analysis of cortical neuron-glial cell culture from E20 rat stained with mouse mAb to GAP43, MO22171, dilution 1:1,000, in red, and costained with chicken pAb to GFAP, dilution 1:2,000, in green. The blue is DAPI staining of nuclear DNA. GAP43 antibody labels protein expressed in the axonal membrane of the neuronal cells, and GFAP antibody stains astroglia.

ADDITIONAL INFORMATION

Related Product Information for anti-GAP43 antibody	Growth associated protein 43 (GAP43) is very abundant in the nervous system and is found concentrated in the axons and synapses of neurons. It was discovered as one of three proteins which becomes greatly upregulated during the regeneration of toad optic nerve following nerve section. Upregulation of this protein in other situations is frequently seen as indicative of ongoing CNS remodeling. GAP43 antibodies are therefore useful for identifying synapses and axons and monitoring neuronal plasticity. Mouse select image at left for larger view.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248057
NCBI GeneID	2596

NCBI Accession #	NP_001123536.1
NCBI GenBank Nucleotide #	NM_001130064.1
UniProt Accession #	P17677
NCBI Official Full Name	neuromodulin isoform 1
NCBI Official Synonym Full Names	growth associated protein 43
NCBI Official Symbol	GAP43
NCBI Official Synonym Symbols	B-50; PP46
NCBI Protein Information	neuromodulin
UniProt Protein Name	Neuromodulin
UniProt Gene Name	**GAP43**
UniProt Entry Name	NEUM_HUMAN

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/monoclonal/gap43-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76611