

Rabbit anti-Human GAP43 Monoclonal Antibody | anti-GAP43 antibody

GAP43 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282666	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

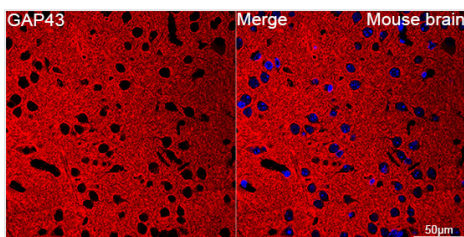
PRODUCT SYNONYMS

GAP43; Monoclonal Antibody; GAP43 Rabbit mAb; B-50; PP46; GAP-43; anti-GAP43 antibody

PRODUCT SPECIFICATIONS

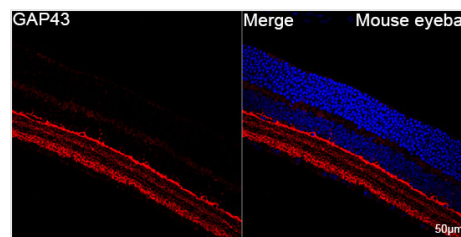
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	ETESATKAST DNSPSSKAED APAKEEPKQA DVPAAVTAAA ATTPAAEDAA AKATAQPPTTE TGESSQAEEN IEAVDETKPK ESARQDEGKE EEPEADQEHA
Applicable Applications for anti-GAP43 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 139-238 of human GAP43 (P17677).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



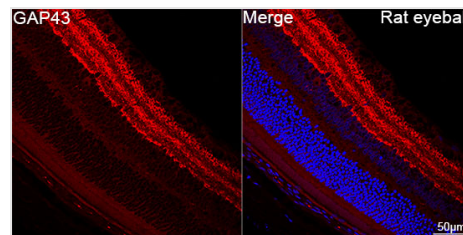
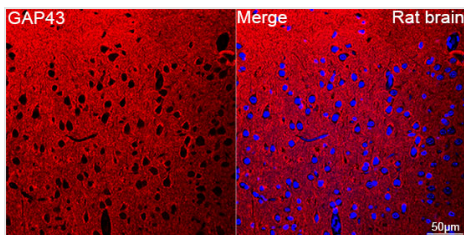
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse brain tissue using GAP43 Rabbit mAb (AAA282666, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse eye tissue using GAP43 Rabbit mAb (AAA282666, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

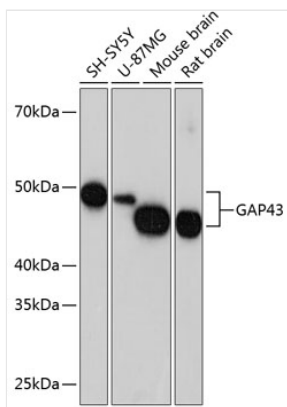


ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Rat brain tissue using GAP43 Rabbit mAb (AAA282666, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Rat eye tissue using GAP43 Rabbit mAb (AAA282666, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



WB (Western Blot)

Western blot analysis of various lysates using GAP43 Rabbit mAb (AAA282666) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-GAP43 antibody	The protein encoded by this gene has been termed a 'growth' or 'plasticity' protein because it is expressed at high levels in neuronal growth cones during development and axonal regeneration. This protein is considered a crucial component of an effective regenerative response in the nervous system. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Product Categories/Family for anti-GAP43 antibody	Protein phosphorylation; Neuroscience; Cell Type Marker; Neuron marker; Synapse marker; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248057
NCBI GeneID	2596
NCBI Accession #	NP_001123536.1
NCBI GenBank Nucleotide #	NM_001130064.1
UniProt Accession #	P17677; A8K0Y4
Molecular Weight	Calculated MW: 25kDa Observed MW: 43-48kDa
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-immunocytochemistry-immunofluorescence-western-blot-elisa/282666>