GAP43 Rabbit mAb

Catalog No.: A19055 Recombinant 8 Publications



Basic Information

Observed MW

38kDa/43kDa

Calculated MW

25kDa

Category

Primary antibody

Applications

WB,IF-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0246

Background

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.

Recommended Dilutions

WB 1:1000 - 1:6000

IF-P 1:200 - 1:800

ELISA Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID Swiss Prot2596
P17677

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

B-50; PP46; GAP-43; GAP43

Contact

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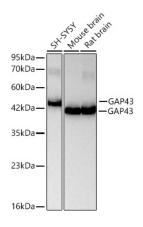
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates using GAP43 Rabbit mAb (A19055) at 1:1000 dilution incubated overnight at 4° C.

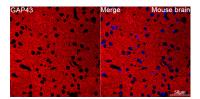
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

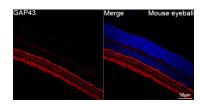
Lysates/proteins: 25 µg per lane.

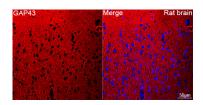
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

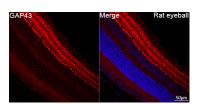
Exposure time: 1s.







Confocal imaging of paraffin-embedded Mouse brain tissue using GAP43 Rabbit mAb (A19055, 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.



Confocal imaging of paraffin-embedded Mouse eye tissue using GAP43 Rabbit mAb (A19055, 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.

Confocal imaging of paraffin-embedded Rat brain tissue using GAP43 Rabbit mAb (A19055, 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.

Confocal imaging of paraffin-embedded Rat eye tissue using GAP43 Rabbit mAb (A19055, 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.