
GAP43 Mouse mAb

Catalog Number: bsm-33192M

Target Protein: GAP43

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 6F11

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 43 kDa

Entrez Gene: 2596

Swiss Prot: P17677

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

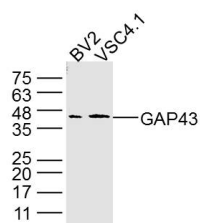
Size : 200ug (PBS only)

0.01M PBS

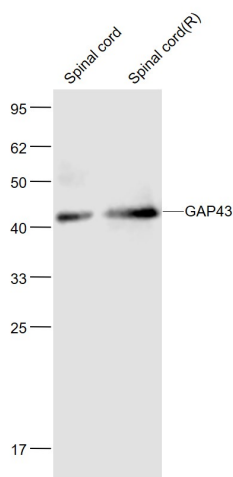
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, Jul 2008]

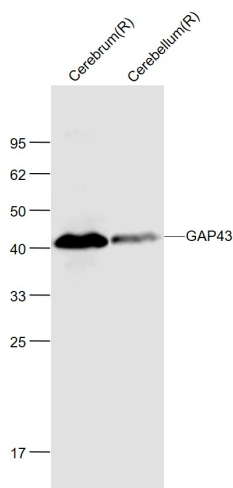
VALIDATION IMAGES



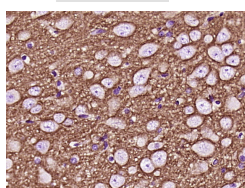
Sample: BV2 (Mouse) Lysate at 40 ug VSC4.1(Rat) Lysate at 40 ug Primary: Anti-GAP43 (bsm-33192M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 43 kD



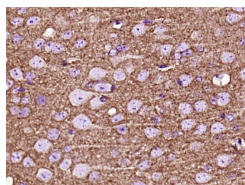
Sample: Spinal cord(Mouse) Lysate at 40 ug Spinal cord(Rat) Lysate at 40 ug Primary: Anti-GAP43 (bsm-33192M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 43-46 kD Observed band size: 43 kD



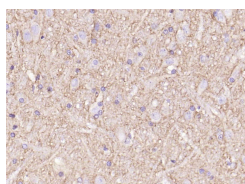
Sample: Cerebrum(Rat) Lysate at 40 ug Cerebellum(Rat) Lysate at 40 ug Primary: Anti-GAP43 (bsm-33192M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 43-46 kD Observed band size: 43 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GAP43) Monoclonal Antibody, Unconjugated (bs-33192M-8A8) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GAP43) Monoclonal Antibody, Unconjugated (bs-33192M-8A8) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GAP43) Monoclonal Antibody, Unconjugated (bsm-33192M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.9] Mei-feng Zhang. et al. Catalpol attenuates ischemic stroke by promoting neurogenesis and angiogenesis via the SDF-1 α /CXCR4 pathway. PHYTOMEDICINE. 2024 Jan;;155362 WB ; Rat . 10.1016/j.phymed.2024.155362

[IF=3.7] Sun Xuri. et al. Exogenous NT-3 Promotes Phenotype Switch of Resident Macrophages and Improves Sciatic Nerve Injury through AMPK/NF- κ B Signaling Pathway. NEUROCHEM RES. 2024 Jun;;1-15 IF, WB ; Rat . 38904909