

# Product Datasheet

## GAP-43 Antibody - BSA Free

### NBP2-42847

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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#### Publications: 1

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**NBP2-42847**

GAP-43 Antibody - BSA Free

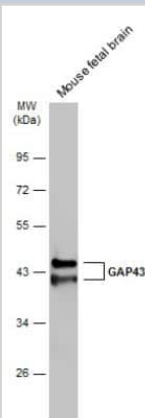
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol
<b>Target Molecular Weight</b>	24 kDa

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	2596
<b>Gene Symbol</b>	GAP43
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Porcine (80%).
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of rat GAP-43. The exact sequence is proprietary.

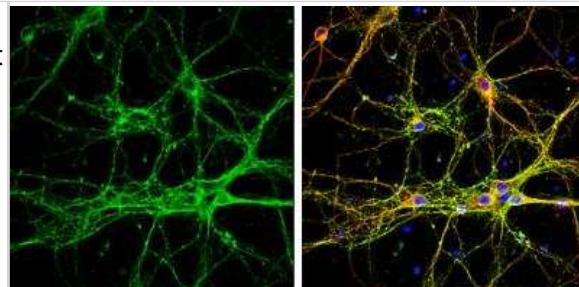
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:30000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000

**Images**

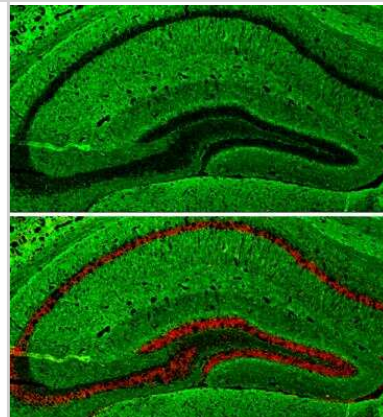
Western Blot: GAP-43 Antibody [NBP2-42847] - Mouse tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with GAP-43 antibody diluted at 1:30000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



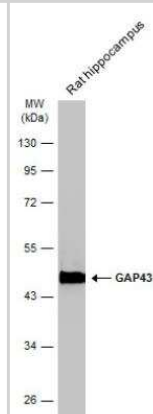
**Immunocytochemistry/Immunofluorescence: GAP-43 Antibody [NBP2-42847]** - GAP-43 antibody detects GAP-43 protein by immunofluorescent analysis. Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min. Green: GAP-43 protein stained by GAP-43 antibody diluted at 1:500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody diluted at 1:500. Blue: Fluoroshield with DAPI.



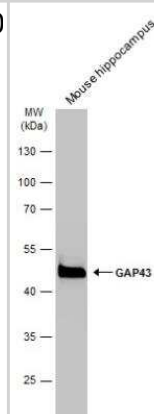
**Immunohistochemistry-Frozen: GAP-43 Antibody [NBP2-42847]** - GAP-43 antibody detects GAP-43 protein expression by immunohistochemical analysis. Sample: Frozen-sectioned adult mouse hippocampus. Green: GAP-43 protein stained by GAP-43 antibody diluted at 1:250. Red: NeuN, stained by NeuN antibody diluted at 1:500.



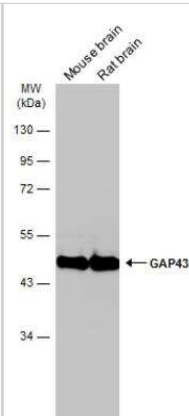
**Western Blot: GAP-43 Antibody [NBP2-42847]** - Rat tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with GAP-43 antibody diluted at 1:30000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



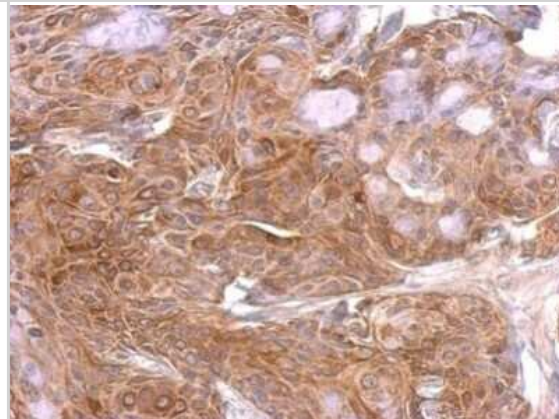
**Western Blot: GAP-43 Antibody [NBP2-42847]** - Mouse tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with GAP-43 antibody diluted at 1:30000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



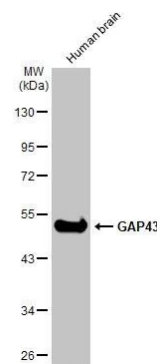
Western Blot: GAP-43 Antibody [NBP2-42847] - Various tissue extracts (50 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with GAP-43 antibody diluted at 1:30000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Immunohistochemistry-Paraffin: GAP-43 Antibody [NBP2-42847] - Cal27 xenograft. GAP43 antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: GAP-43 Antibody [NBP2-42847] - Human tissue extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with GAP-43 antibody (NBP2-42847) diluted at 1:30000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Barisic D, Erb M, Follo M et al. Lack of a skeletal muscle phenotype in adult human bone marrow stromal cells following xenogeneic-free expansion Stem Cell Res Ther 2020-02-22 [PMID: 32087752] (ICC/IF, Human)



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### **Products Related to NBP2-42847**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-53033-20ug	Recombinant Human GAP-43 His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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