

Product Datasheet

PSD-95 Antibody (7E3) - BSA Free NBP2-12872-100ug

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-12872

Updated 9/9/2025 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-12872



NBP2-12872-100ug

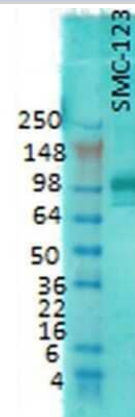
PSD-95 Antibody (7E3) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7E3
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse PSD-95 Antibody (7E3) - BSA Free (NBP2-12872) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PSD-95 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1742
Gene Symbol	DLG4
Species	Human, Mouse, Rat, Bovine
Marker	post-Synaptic Marker
Specificity/Sensitivity	Detects ~100 kDa. An additional protein of >100 kDa is also detected. Additional cross-reactive bands are detected at ~75 kDa and 50 kDa in rat and mouse samples.
Immunogen	Recombinant rat PSD-95
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen, Microarray
Application Notes	1 ug/mL was sufficient for detection of PSD-95 on 20 ug rat brain tissue extract by ECL immunoblot analysis using Goat Anti-Mouse IgG: HRP as the secondary. Use in IHC-Fr reported by customer review.

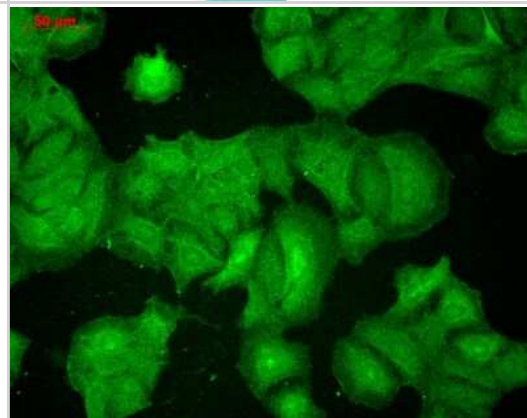


Images

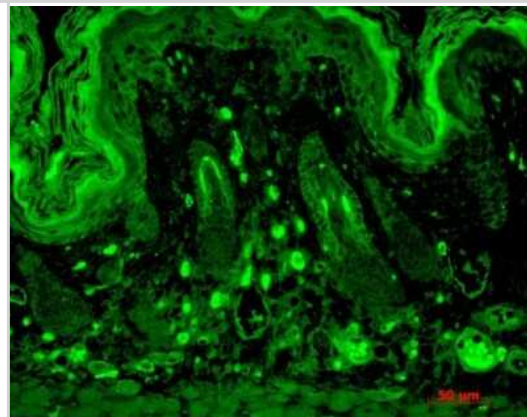
Western Blot: PSD-95 Antibody (7E3) [NBP2-12872] - Western Blot analysis of Rat brain membrane lysate showing detection of PSD-95 protein using Mouse Anti-PSD-95 Monoclonal Antibody, Clone 7E3 (NBP2-12872). Primary Antibody: Mouse Anti-PSD-95 Monoclonal Antibody (NBP2-12872) at 1:1000.



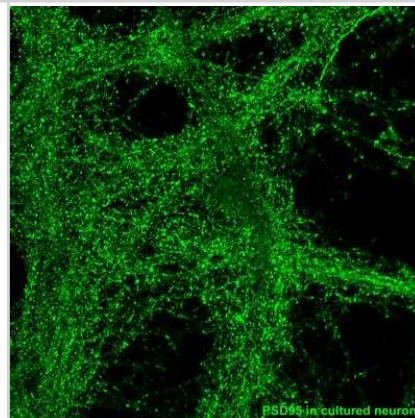
Immunocytochemistry/Immunofluorescence: PSD-95 Antibody (7E3) [NBP2-12872] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-PSD-95 Monoclonal Antibody, Clone 7E3 (NBP2-12872). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20C. Primary Antibody: Mouse Anti-PSD-95 Monoclonal Antibody (NBP2-12872) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Filamentous-like staining.



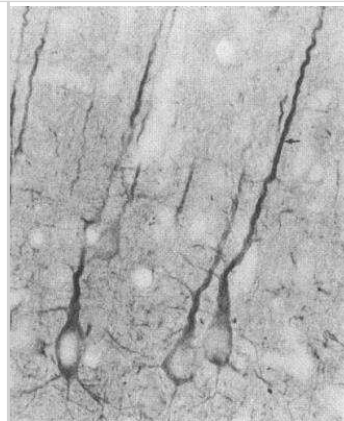
Immunohistochemistry: PSD-95 Antibody (7E3) [NBP2-12872] - Immunohistochemistry analysis using Mouse Anti-PSD-95 Monoclonal Antibody, Clone 7E3 (NBP2-12872). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-PSD-95 Monoclonal Antibody (NBP2-12872) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Basal cell staining in the epidermis, some hair follicle staining, dermal staining. Backskin obtained from transgenic mice. .



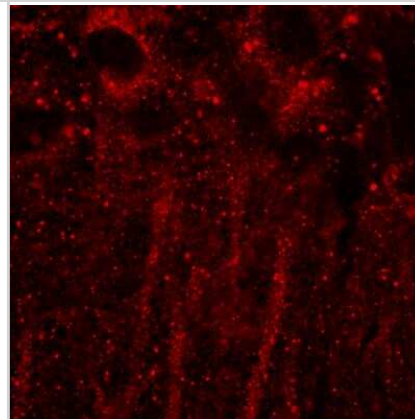
Immunocytochemistry/Immunofluorescence: PSD-95 Antibody (7E3) [NBP2-12872] - Mouse brain cultured neurons. Image from verified customer review.



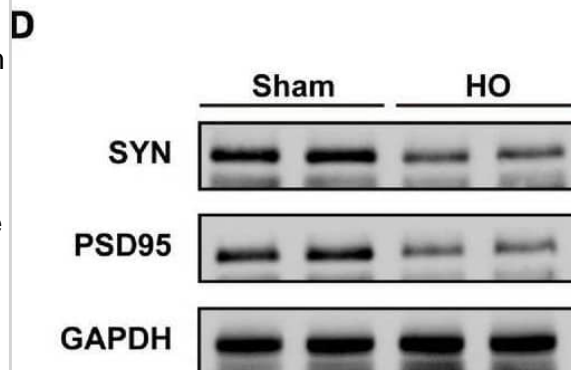
Immunohistochemistry: PSD-95 Antibody (7E3) [NBP2-12872] - Tissue: Neocortex. Species: Rat. Primary Antibody: Mouse Anti-PSD95 Monoclonal Antibody at 1:1000.



Immunohistochemistry-Frozen: PSD-95 Antibody (7E3) [NBP2-12872] - Mouse brain section (hippocampus). Image from verified customer review.



Microglial cells and SYN/PSD95 protein in the hippocampal region of HO rats. (A) Immunofluorescence staining of Iba1+ cells. Iba1 (green) and DAPI (blue). Scale bars, 100 μ m for low magnification images and 50 μ m for high magnification images; quantification of Iba1+ cells and the cell body area in the hippocampus, $n = 4-6$, $**P < 0.01$ vs. sham-operated group. (B) Immunofluorescence staining of Iba1+ and SYN in the hippocampus: SYN (red), Iba1 (green), and DAPI (blue); scale bars, 50 μ m, $n = 6$, $**P < 0.01$ vs. sham-operated group. (C) Immunofluorescence staining of Iba1+ and PSD95 in the hippocampus: PSD95 (red), Iba1 (green), and DAPI (blue); scale bars, 50 μ m, $n = 6$, $**P < 0.01$ vs. sham-operated group. (D-F) The protein levels of SYN and PSD95 in the hippocampus, $n = 3$, $*P < 0.05$ vs. sham-operated group. All data are presented as the M \pm SEM of each group. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36072565>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Guo X, Liu Y, Morgan D, Zhao LR. Reparative Effects of Stem Cell Factor and Granulocyte Colony-Stimulating Factor in Aged APP/PS1 Mice Aging and disease 2020-12-01 [PMID: 33269098]

Munawar N, Bitar MS, Masocha W Activation of 5-HT1A Receptors Normalizes the Overexpression of Presynaptic 5-HT1A Receptors and Alleviates Diabetic Neuropathic Pain International journal of molecular sciences 2023-09-20 [PMID: 37762636] (WB, Rat)

Qiu X, Ping S, Kyle M et al. Long-term beneficial effects of hematopoietic growth factors on brain repair in the chronic phase of severe traumatic brain injury Exp. Neurol. 2020-04-29 [PMID: 32360282] (ICC/IF, Mouse)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-12872-100ug

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-12872

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

