

# 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.

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Updated 2/23/2025 v.20.1

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**NBP2-12872-100ug**

PSD-95 Antibody (7E3) - BSA Free

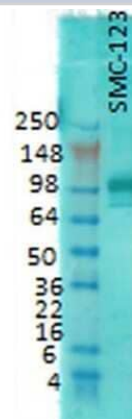
Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7E3
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

Product Description	
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

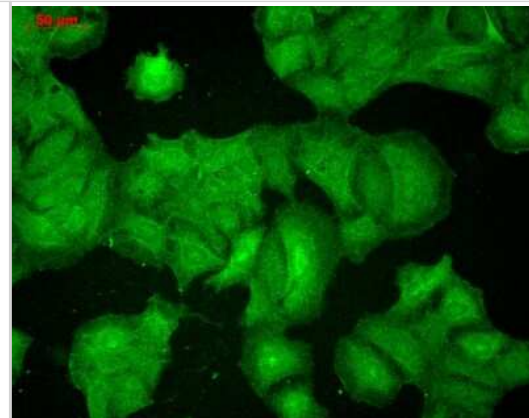
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 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**

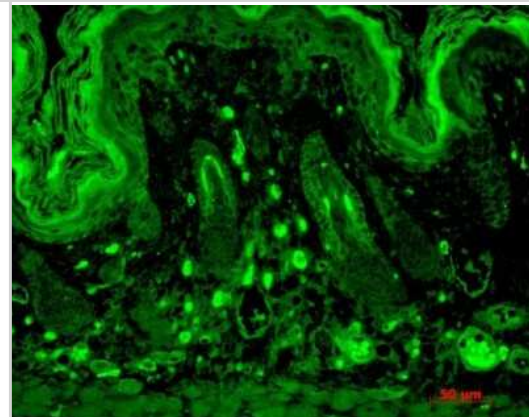
Western Blot: PSD-95 Antibody (7E3) [NBP2-12872] - Western Blot analysis of Rat brain membrane lysate showing detection of PSD-95 protein using Mouse Anti-PSD-95 Monoclonal Antibody, Clone 7E3 (NBP2-12872). Primary Antibody: Mouse Anti-PSD-95 Monoclonal Antibody (NBP2-12872) at 1:1000.



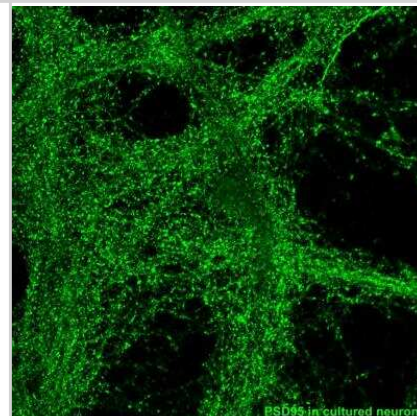
Immunocytochemistry/Immunofluorescence: PSD-95 Antibody (7E3) [NBP2-12872] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-PSD-95 Monoclonal Antibody, Clone 7E3 (NBP2-12872). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20C. Primary Antibody: 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.



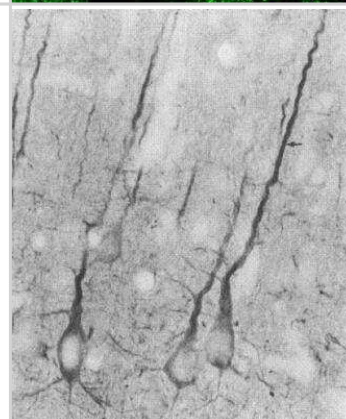
Immunohistochemistry: PSD-95 Antibody (7E3) [NBP2-12872] - Immunohistochemistry analysis using Mouse Anti-PSD-95 Monoclonal Antibody, Clone 7E3 (NBP2-12872). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-PSD-95 Monoclonal Antibody (NBP2-12872) 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. .



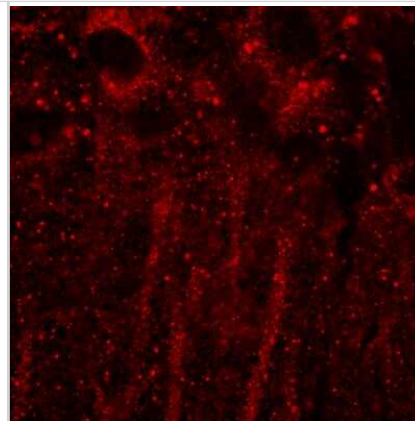
Immunocytochemistry/Immunofluorescence: PSD-95 Antibody (7E3) [NBP2-12872] - Mouse brain cultured neurons. Image from verified customer review.



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.



## 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)



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### **Products Related to NBP2-12872-100ug**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00001742-P01-10ug	Recombinant Human PSD-95 GST (N-Term) Protein

### **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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