

PSD93 Recombinant Polyclonal Antibody (7HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	7HCLC
Conjugate	Unconjugated
Immunogen	Protein corresponding to Human DLG2 (aa 250-430)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2607731

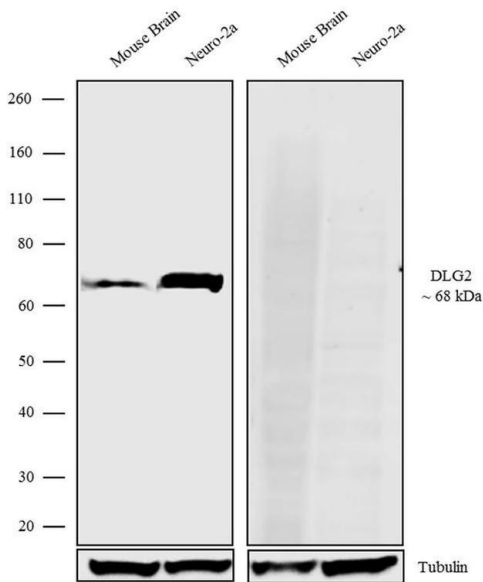
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-

Product Specific Information

This antibody is predicted to react with Monkey, Bovine, Rat and Mouse.

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

Product Images For PSD93 Recombinant Polyclonal Antibody (7HCLC)

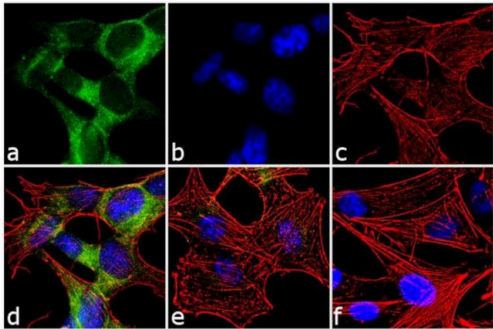


PSD93 Antibody (711031) in WB

Western blot analysis was performed on whole tissue and cell extracts (30 µg lysate) of Mouse brain (Lane 1) and Neuro-2a (Lane 2). The blots were probed with Anti-DLG2/PSD93/CHAPSYN-110 Recombinant Rabbit Polyclonal Antibody (Product # 711031, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 68 kDa band corresponding to DLG2/PSD93/CHAPSYN-110 isoform was observed. To confirm the specificity of Anti-DLG2/PSD93/CHAPSYN-110 Recombinant Rabbit Polyclonal Antibody, competition was performed with the peptide (10 µg/mL) as shown in the corresponding blot on the right. The peptide competes with the antibody and prevents it from binding to the target protein. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10% Bis-Tris gel (Product # NP0301BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with overnight wet transfer system. The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).

PSD93 Antibody (711031) in ICC/IF

For immunofluorescence analysis SH-SY5Y cells were fixed and permeabilized for detection of DLG2/PSD93/CHAPSYN-110 using Anti-DLG2/PSD93/CHAPSYN-110 Recombinant Rabbit Polyclonal Antibody (Product # 711031, 2 µg/mL) and labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Panel a) shows representative cells that were stained for detection and localization of DLG2/PSD93/CHAPSYN-110 protein (green), Panel b) is stained for nuclei (blue) using SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). Panel c) represents cytoskeletal F-actin staining using Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d) is a composite image of Panels a, b and c clearly demonstrating cytoplasmic localization of DLG2/PSD93/CHAPSYN-110. Panel e) shows loss of signal by competition with the DLG2/PSD93/CHAPSYN-110 peptide, demonstrating antibody specificity and panel f) represents control cells with no primary antibody to assess background.



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