

# Gephyrin Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 196 and 473 of Human Gephyrin
Form	Liquid
Concentration	1.48 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% Proclin 300
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2546512

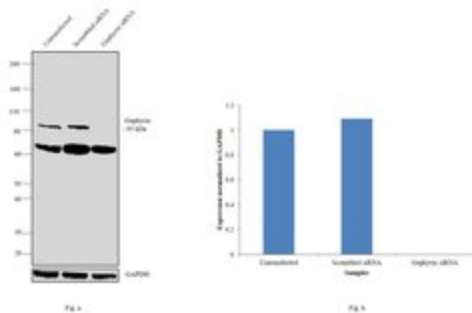
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:100-1:1,000	-
Immunofluorescence (IF)	1:100-1:1,000	-
Immunohistochemistry (Frozen) (IHC (F))	1:100-1:1000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1000	-
Immunoprecipitation (IP)	1:100-1:500	-
Western Blot (WB)	1:500-1:10,000	-

## Product Specific Information

Recommended positive controls: NIH-3T3, JC, U87-MG, SK-N-SH, IMR-32, SK-N-AS, mouse brain, rat brain.

Predicted reactivity: Mouse (100%), Rat (100%), Xenopus laevis (92%), Pig (100%), Chicken (100%), Rhesus Monkey (100%).

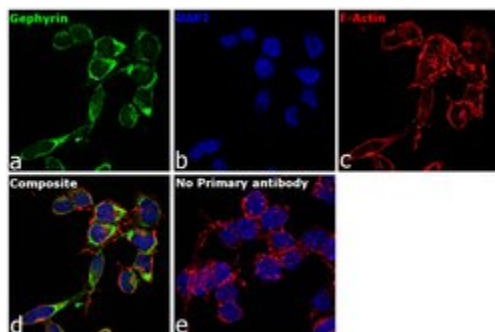
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.



### Gephyrin Antibody (PA5-29036)

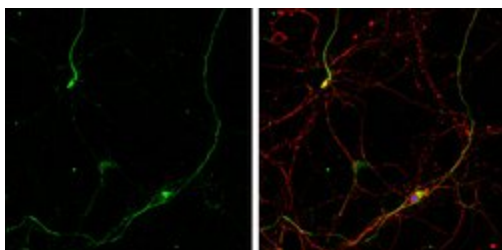
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with Gephyrin siRNA and loss of signal was observed in Western Blot using Gephyrin Polyclonal Antibody (Product # PA5-29036). Knockdown validation info.

## Product Images For Gephyrin Polyclonal Antibody



### Gephyrin Antibody (PA5-29036) in IF

Immunofluorescence analysis of Gephyrin was performed using 70% confluent log phase Neuro-2a cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Gephyrin Rabbit Polyclonal Antibody (Product # PA5-29036) at 5 microgram/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). Panel d represents the merged image showing cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



### Gephyrin Antibody (PA5-29036) in ICC

Immunocytochemistry-Immunofluorescence analysis of Gephyrin was performed in DIV10 rat E18 primary hippocampal neurons fixed in 4% paraformaldehyde at RT for 15 min. Green: Gephyrin Polyclonal Antibody (Product # PA5-29036) diluted at 1: 500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody. Blue: Fluoroshield with DAPI.

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