Gephyrin Immunohistochemistry Protocol

Day 1:

1. Wash tissue 3 x 5 minutes 0.01M (1X) PBS at room temperature
2. Block wash: Rinse tissue in blocking solution (2% **goat** serum, PBT [0.25% Triton-X in 1X PBS]) for 1 hour at room temp.
3. Incubate slide 18 hours at room temperature with primary antibody solution

2% **goat** serum

PBT [0.25% Triton-X in 1X PBS]

1:300 anti-gephyrin (Abcam, ab25784 [rabbit polyclonal])

Day 2:

1. Wash slides 3 x 10 minutes PBT at room temperature
2. Secondary antibody incubation (1 hour):

PBT

2% **goat** serum

1:1000 goat anti-rabbit (Alexa Fluor-488, Life Technologies Catalog #A31565)

1. Wash slides 3 x 10 minutes PBS at room temperature
2. Mount sections onto slides and coverslip