



Immunocytochemistry

Yasmin Bar El¹

¹School of Physics and Astronomy, Tel-Aviv University, Tel-Aviv, Israel

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Working

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Yasmin Bar El 🚱



Immunocytochemistry for morphology analysis. Staining of cell culture in order to obtain fluorescence images of the culture.

PROTOCOL STATUS

Working

We use this protocol in our group and it is working

Cell fix

- 1. Wash the culture twice in a phosphate buffered saline (PBS);
 - 2. Fix with 4% paraformaldehyde (Merck) for 10 min (00:10:00 , then put it in PBS until staining.

St aining

Wash fixed cultures three times with PBS (10 min © 00:10:00

Permeabilization

Permeabilize with 0.5% triton X-100 (Sigma-Aldrich) in PBS for 10 min © 00:10:00

Block

Block with 2% BSA, 10% normal donkey serum, and 0.25% triton X-100 solution in PBS for 1 h 6 01:00:00

Primary antibody incubation

Incubate overnight with rabbit anti-GFAP (1:400, Sigma-Aldrich, cat# G9269, RRID: AB_477035), mouse anti-NeuN (1:200, Millipore, cat# MAB377, RRID: AB_2298772) at 4 °C

Secondary antibody incubation

Wash three times with PBS and incubated for 1 h \(\& \text{01:00:00} \) at room temperature with the appropriate secondary antibodies: Alexa fluor 488 goat anti-rabbit IgG (1:400, Jackson Laboratories) for the detection of GFAP and Cy-3 donkey anti-mouse IgG (1:700, Jackson Laboratories) for NeuN.

DAPI stain

7 Mount with aqueous medium containing DAPI (VECTAS HIELD Mounting Medium with DAPI, Vector Laboratories, H-1200).

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