proteintech®
Antibodies | ELISA kits | Proteins

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# PRODUCT-SPECIFIC PROTOCOLS

## IF (13011-1-AP)

| Sample type | Fixation method | Blocking buffer | Antibody dilution buffer | Primary antibody dilution | Incubation time |
|---|---|---|---|---|---|
| PC-3 cells | 10% Formaldehyde in 1×PBS, 10 min at room temp | 5% goat serum in 1×PBS | 1% BSA in 1×PBS | 1:50 | 1.5 h at room temp |
| | Secondary antibody | | Secondary antibody dilution | Incubation time | Mounting media |
| | CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) | | - | 1.5 h at room temp | Hydromount? mounting media with DAPI |

# PROTOCOL (more details available upon request):

1. Seed cells on sterile glass coverslips and gently wash the coverslip with 1X PBS.
2. Fix the samples with 10% Formaldehyde in 1×PBS, 10 min at room temp.
3. Rinse coverslip with 1XPBS 3 times for 5 min each.
4. Incubate the samples with 0.2% Triton X-100 made in 1XPBS for 5 min at room temperature.
5. Rinse the samples 3 times with 1XPBS for 3 min each.
6. Incubate the samples with Blocking buffer at room temperature for 1 h.
7. Aspirate Blocking buffer and incubate with primary antibody at room temperature for 2 hours or at 4°C for overnight.
8. Wash samples with 1XPBS 3 times for 5 min each.
9. Incubate with fluorochrome-labeled secondary antibody diluted in Antibody dilution buffer.
10. Wash coverslip with 1XPBS 3 times for 3 min each.
11. Mount and seal the sample, then visualize the target antigen using a fluorescent microscope.

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