

# PRODUCT-SPECIFIC PROTOCOLS

## IF (31900-1-AP)

| Sample type             | Sample preparation                                            | Antigen retrieval | Blocking buffer             | Antibody dilution buffer | Primary antibody dilution            | Incubation time    |
|-------------------------|---------------------------------------------------------------|-------------------|-----------------------------|--------------------------|--------------------------------------|--------------------|
| mouse cerebellum tissue | 4% PFA in 1×PBS, 10 min at room temp                          | Tris-EDTA (pH 9)  | 5% goat serum in 1×PBS      | 1% BSA in 1×PBS          | 1:200                                | 1.5 h at room temp |
|                         | Secondary antibody                                            |                   | Secondary antibody dilution | Incubation time          | Mounting Media                       |                    |
|                         | Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) |                   | -                           | 1.5 h at room temp       | Hydromount® mounting media with DAPI |                    |

# PROTOCOL

## Deparaffinize and rehydrate

1. Deparaffinize slides in 2 baths of xylene for 20 min each.
2. Rehydrate slides by sequential incubation with 100%, 95%, 80%, and 60% ethanol, 5 min for each bath.
3. Immerse slides with distilled water 3 times for 1 min each.

## Antigen Retrieval (check table above)

1. Transfer slides to a container and cover with antigen retrieval solution according to the table above.
2. Heat slides in a microwave on medium power for 10 min.
3. Allow slides to cool in the buffer for 35 min.

## Incubation with Primary Antibody and Signal Detection

1. Rinse slides 3 times with 1XTBS for 5 min each.
2. Block the sections at room temperature for 1 hour in Blocking buffer.
3. Incubate sections with primary antibody in 1XTBS for 2 hours at room temperature or overnight at 4°C.
4. Rinse slides 3 times with 1XTBS for 5 min each.
5. Incubate sections with secondary antibody in 1XTBS for 1 hour at room temperature, protected from light.
6. Rinse slides 3 times with 1XTBS for 5 min each.
7. Mount the sections using an appropriate mounting media.
8. Examine slides under a fluorescent microscope.

---

Visit [ptglab.com](https://ptglab.com) for full product range