

## 34-1107: Monoclonal Antibody to Rhodopsin (Clone: B630)

|                                |                                    |
|--------------------------------|------------------------------------|
| <b>Clonality :</b>             | Monoclonal                         |
| <b>Clone Name :</b>            | B630                               |
| <b>Application :</b>           | WB, IF/ICC, IHC                    |
| <b>Reactivity :</b>            | Human, Rat, Mouse, Cow, Pig, Horse |
| <b>Gene :</b>                  | RHO                                |
| <b>Gene ID :</b>               | 6010                               |
| <b>Uniprot ID :</b>            | P08100                             |
| <b>Format :</b>                | Purified                           |
| <b>Alternative Name :</b>      | Opsin-2                            |
| <b>Isotype :</b>               | Mouse, IgG1                        |
| <b>Immunogen Information :</b> | Purified bovine rhodopsin          |

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 50 µl / 100 µl  |
| <b>Content :</b>           | Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody   |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

### Application Note

WB:1:5,000, IF/ICC and IHC: 1:1,000.

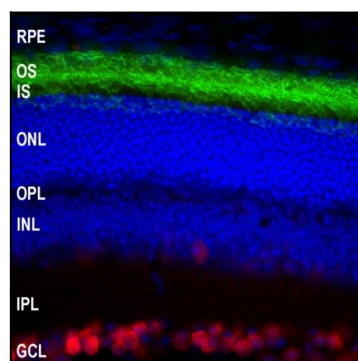


Figure-1: Immunofluorescent analysis of mouse retina section stained with mouse mAb to rhodopsin,(34-1107), dilution 1:2,000, in green, and costained with rabbit pAb to Fox3/NeuN,(34-1036), dilution 1:5,000 in red. The blue is Hoechst staining of nuclear DNA. Rhodopsin antibody reveals the rod cell membranes located in photoreceptor outer segments (OS) layer of the retina. The Fox3/NeuN antibody selectively stains the nuclei and cytoplasm of neuronal cells in the ganglion cell layer (GCL), but does not stain most neurons in the layers between.

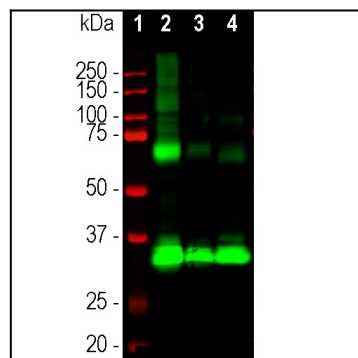


Figure-2: Western blot analysis of retina lysates from different species using mouse mAb to rhodopsin,(34-1107), dilution 1:5,000 in green: [1] protein standard (red), [2] rat [3] mouse and [4] cow retina lysates. The strong band at 35kDa corresponds to rhodopsin protein. Bands at about 70kDa and 140kDa are presumably aggregated forms of rhodopsin.