

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

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

Product Info

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|----------------------------|---|
| Amount : | 50 µl / 100 µl |
| Content : | Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody |
| Storage condition : | 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.

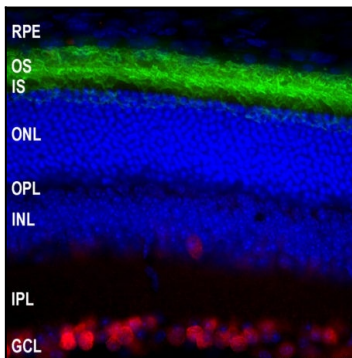


Figure-1: Immunofluorescent analysis of mouse retina section stained with mouse mAb to rhodopsin,(34-1107), dilution 1:2,000, in green, and costained with rabbit pAb to Fox3/NeuN,(34-1036), dilution 1:5,000 in red. The blue is Hoechst staining of nuclear DNA. Rhodopsin antibody reveals the rod cell membranes 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.

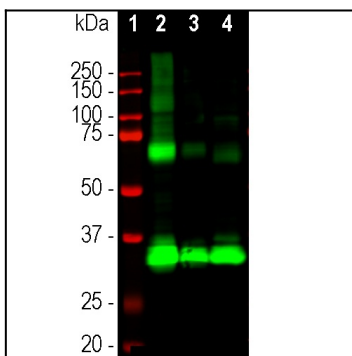


Figure-2: Western blot analysis of retina lysates from different species using mouse mAb to rhodopsin,(34-1107), dilution 1:5,000 in green: [1] protein standard (red), [2] rat [3] mouse and [4] cow retina lysates. The strong band at 35kDa corresponds to rhodopsin protein. Bands at about 70kDa and 140kDa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