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34-1106: Monoclonal Antibody to Rhodopsin (Clone: A531)

Clonality :	Monoclonal
Clone Name :	A531
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

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.

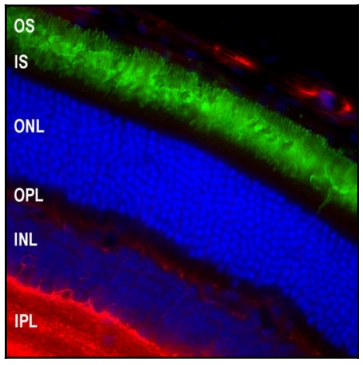

Figure-1: Immunofluorescent analysis of mouse retina section stained with mouse mAb to rhodopsin,(34-1106), dilution 1:2,000, in green, and costained with rabbit pAb to GAP43,(34-1041), dilution 1:1,000 in red. The blue is Hoechst staining of nuclear DNA. Rhodopsin antibody reveals rhodopsin protein in rod cell membranes located in outer segments of photoreceptors layer (OS) of retina. GAP43 antibody stains axons of neuronal cells in the inner plexiform layer (IPL), where it was present in three distinct bands.

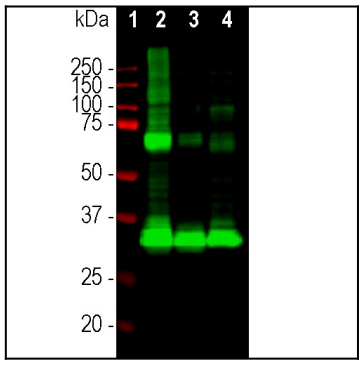

Figure-2: Western blot analysis of retina lysates from different species using mouse mAb to rhodopsin,(34-1106), dilution 1:5,000 in green: [1] protein standard (red), [2] rat [3] mouse and [4] cow retina lysates. Strong band at 35kDa corresponds to rhodopsin protein. Bands about 70kDa and 140kDa result from the known tendency of rhodopsin to aggregate on SDS-PAGE gels.