

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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

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

Amount: 50 μl / 100 μl

Content: Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody

Storage condition:

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.

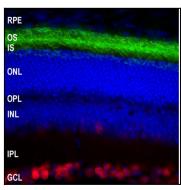


Figure-1: Immunofluorescent analysis of mouse retina section stained with mouse mAb to rhodopsin,(34-1107), dilution 1:2,000, in green, and costained with rabbit pAb to Fox3/NeuN,(34-1036), dilution 1:5,000 in red. The blue is Hoechst staining of nuclear DNA. Rhodopsin antibody reveals the rod cell membranes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

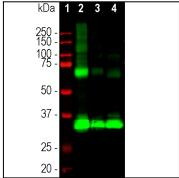


Figure-2: Western blot analysis of retina lysates from different species using mouse mAb to rhodopsin,(34-1107), dilution 1:5,000 in green: [1] protein standard (red), [2] rat [3] mouse and [4] cow retina lysates. The strong band at 35kDa corresponds to rhodopsin protein. Bands at about 70kDa and 140kDa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