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Anti-Human OPN4 Polyclonal Antibody

多克隆抗体

产品货号: PA04932

第三版

描述:Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. This gene encodes a photoreceptive opsin protein that is expressed within the ganglion and amacrine cell layers of the retina. In mouse, retinal ganglion cell axons expressing this gene projected to the suprachiasmatic nucleus and other brain nuclei involved in circadian photoentrainment. In mouse, this protein is coupled to a transient receptor potential (TRP) ion channel through a G protein signaling pathway and produces a physiologic light response via membrane depolarization and increased intracellular calcium. The protein functions as a sensory photopigment and may also have photoisomerase activity. Experiments with knockout mice indicate that this gene attenuates, but does not abolish, photoentrainment. Alternative splicing results in multiple transcript variants encoding different isoforms. OPN4 (Opsin 4) is a Protein Coding gene. Diseases associated with OPN4 include Borderline Glaucoma and Retinitis Pigmentosa 29. Among its related pathways are RET signaling and Circadian rhythm related genes. GO annotations related to this gene include G-protein coupled receptor activity and G-protein coupled photoreceptor activity. An important paralog of this gene is OPN3.

抗原:Synthesized peptide derived from the C-terminal region of human Melanopsin

配方:

如何使用:加1ml超纯水重溶

稳定性: -20 ° C保存条件下，冻干粉,保质期为五年；液体，保质期为两年。

稀释液:PBS (pH7.4) ， 1% BSA

应用:WB 1 ~ 5 μ g/ml.

特异性:Eye. Expression is restricted within the ganglion and amacrine cell layers of the retina.