# Gene: Map2k2

Sanger Colony: MBRP

## Abnormal Findings: None.

## **EYE** Phenotype



#### **Cornea:**

6/6. Normal corneal epithelium, stroma, and endothelium.

### Anterior chamber:

6/6. The anterior chamber was of normal depth without cells, and the angle appeared open.

6/6. The iris showed normal pigmentation without rubeosis or pupillary membranes.







## Gene: Map2k2

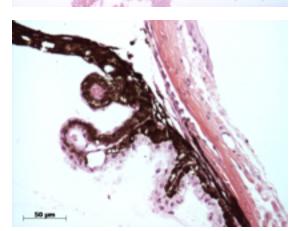
## Genotype -/-



Sanger Colony: MBRP

## Lens:

6/6. No cataract was observed.



### **Ciliary body:**

6/6. Normal stroma, pigmented and nonpigmented layers were present along with cilia.



#### Vitreous:

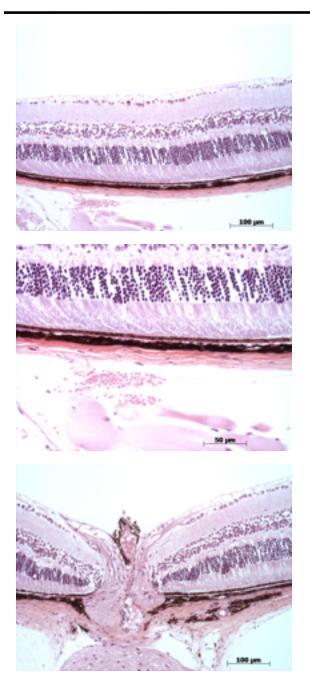
6/6. No abnormal opacities or cells.

## Gene: Map2k2

Genotype



Sanger Colony: MBRP



#### **Retina**:

**6/6.** The retinal ganglion, inner nuclear and photoreceptor layers are normal.

### **Retinal pigment epithelium and Choroid:**

**6/6.** Normal pigmentation. Bruch's membrane is intact. No neovascular membranes were noted.

#### **Optic Nerve:**

6/6. The nerve is normal.

**Methods.** 6 eyes from 3 male mice were enucleated by blunt dissection and fixed. Pupil-optic nerve sections were processed with hematoxylin and eosin, and standard images were captured under light microscopy for review.