

# CRX Monoclonal antibody, PBS Only

Catalog Number: 67555-1-PBS

## Basic Information

**Catalog Number:**

67555-1-PBS

**Size:**

1 mg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG30086

**GenBank Accession Number:**

BC016664

**GeneID (NCBI):**

1406

**UNIPROT ID:**

O43186

**Full Name:**

cone-rod homeobox

**Calculated MW:**

299 aa, 32 kDa

**Observed MW:**

37 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1C3C11

## Applications

**Tested Applications:**

WB, Indirect ELISA, IHC

**Species Specificity:**

Human, mouse, rat, pig

## Background Information

Cone-rod homeobox (Crx) is a homeodomain transcription factor and member of the Otx family, which has been thought to play a critical role in determining and maintaining the phenotype of both pinealocytes and retinal photoreceptors [PMID:17467693]. In the mammalian retina, Crx plays an essential role in the normal development and maintenance of cones and rods and regulates expression of the network of genes that characterize the retina [PMID:17653270]. Elimination of Crx by disruption of the homeobox domain results in loss of the image-forming visual system but not the non-image-forming visual system controlling circadian rhythms [PMID:20438719].

## Storage

**Storage:**

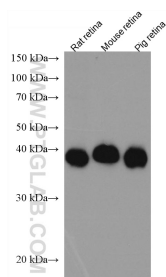
Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

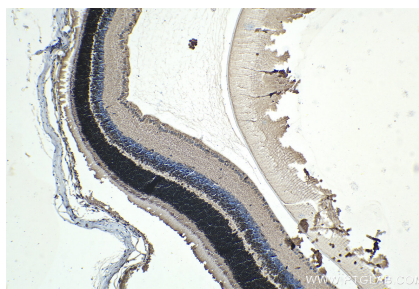
**Storage Buffer:**

PBS Only

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67555-1-Ig (CRX antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67555-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 67555-1-Ig (CRX antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67555-1-PBS in a different storage buffer formulation.