

For Research Use Only

CRX Monoclonal antibody

Catalog Number: 67555-1-Ig



Basic Information

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|---|--|--|
| Catalog Number: 67555-1-Ig | GenBank Accession Number: BC016664 | Purification Method: Protein G purification |
| Size: 150ul , Concentration: 1000 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 1406 | CloneNo.: 1C3C11 |
| Source: Mouse | UNIPROT ID: O43186 | Recommended Dilutions: WB 1:1000-1:6000 IHC 1:2000-1:8000 |
| Isotype: IgG1 | Full Name: cone-rod homeobox | |
| Immunogen Catalog Number: AG30086 | Calculated MW: 299 aa, 32 kDa | |
| | Observed MW: 37 kDa | |

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
Human, mouse, rat, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : rat retina tissue, Y79 cells, mouse retina tissue, pig retina tissue

IHC : mouse eye tissue,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

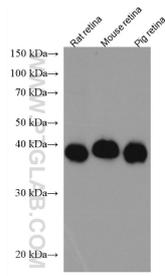
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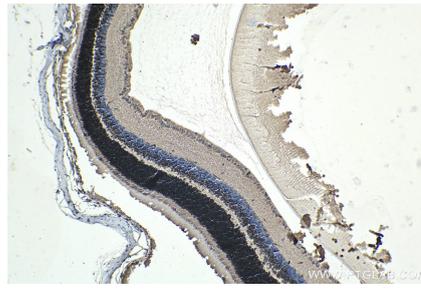
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Selected Validation Data



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.



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).