

For Research Use Only

CRX Polyclonal antibody

Catalog Number: 12047-1-AP **1 Publications**



Basic Information

Catalog Number:

12047-1-AP

Size:

150UL, Concentration: 1000 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2677

GenBank Accession Number:

BC016664

GeneID (NCBI):

1406

Full Name:

cone-rod homeobox

Calculated MW:

299 aa, 32 kDa

Observed MW:

32-37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

CoIP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : Y79 cells,

IP : Y79 cells,

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].

Notable Publications

Author	Pubmed ID	Journal	Application
Tomohiro Masuda	25392503	J Neurosci	WB, CoIP

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

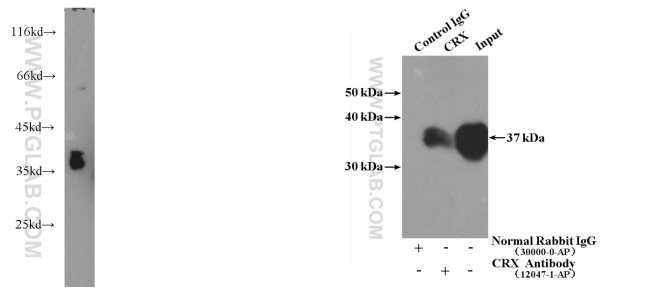
For technical support and original validation data for this product please contact:

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Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 12047-1-AP (CRX antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IP Result of anti-CRX (IP:12047-1-AP, 4ug; Detection:12047-1-AP 1:500) with Y79 cells lysate 1920ug.