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CRX Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant CRX.
Catalog # AT1638a

Product Information

Application	WB, E
Primary Accession	O43186
Other Accession	NM_000554
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2F12
Calculated MW	32261

Additional Information

Gene ID	1406
Other Names	Cone-rod homeobox protein, CRX, CORD2
Target/Specificity	CRX (NP_000545, 1 a.a. ~ 95 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CRX Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

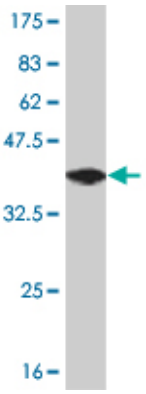
The protein encoded by this gene is a photoreceptor-specific transcription factor which plays a role in the differentiation of photoreceptor cells. This homeodomain protein is necessary for the maintenance of normal cone and rod function. Mutations in this gene are associated with photoreceptor degeneration, Leber congenital amaurosis type III and the autosomal dominant cone-rod dystrophy 2. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some variants has not been determined.

References

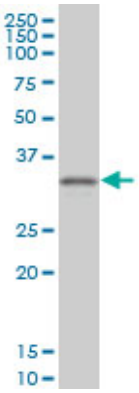
1.OTX2 and CRX rescue overlapping and photoreceptor-specific functions in the Drosophila eye.Terrell D, Xie

B, Workman M, Mahato S, Zelhof A, Gebelein B, Cook T.Dev Dyn. 2012 Jan;241(1):215-28. doi: 10.1002/dvdy.22782. Epub 2011 Nov 23.

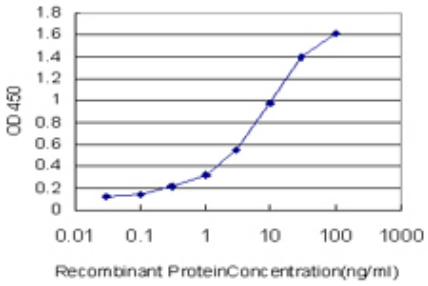
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.19 KDa) .



CRX monoclonal antibody (M03), clone 2F12 Western Blot analysis of CRX expression in PC-12 ((Cat # AT1638a)



Detection limit for recombinant GST tagged CRX is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.