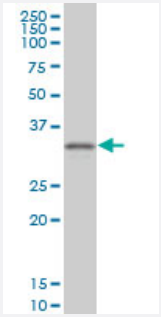
CRX monoclonal antibody (M03), clone 2F12

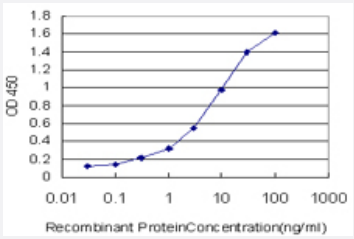
Catalog # H00001406-M03 Size 100 ug

Applications



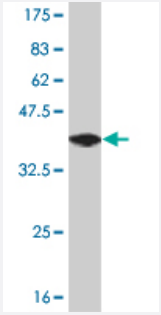
Western Blot (Cell lysate)

CRX monoclonal antibody (M03), clone 2F12 Western Blot analysis of CRX expression in PC-12 (Cat # L012V1).



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.19 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CRX.

Immunogen	CRX (NP_000545, 1 a.a. ~ 95 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MMAYMNPGPHYSVNALALSGPSVDLMHQAVPYPSAPRKQRRERTTFTRSQLEELEALFAKTQYPDVYAREEVALKINLPESRVQVWFKNRRAKCR
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (98); Rat (99)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.19 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  CRX monoclonal antibody (M03), clone 2F12 Western Blot analysis of CRX expression in PC-12 (Cat # L012V1).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

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

  Protocol Download

- ELISA

Gene Info — CRX

Entrez GeneID	1406

GeneBank Accession#	NM_000554
Protein Accession#	NP_000545
Gene Name	CRX
Gene Alias	CORD2, CRD, LCA7, OTX3
Gene Description	cone-rod homeobox
Omim ID	120970 268000 602225
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	cone-rod homeobox protein|orthodenticle homeobox 3

Publication Reference

- 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.

  Developmental Dynamics 2012 Jan; 241(1):215.

  Application: IF, WB-Ti, Drosophila, Retina

Disease

- Blindness
- Optic Atrophy
- Retinal Diseases
- Retinitis Pigmentosa