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CRX Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant CRX.
Catalog # AT1639a

Specification

CRX Antibody (monoclonal) (M04) - Product Information

Application	**WB, E**
Primary Accession	O43186
Other Accession	NM_000554
Reactivity	**Human, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**32261**

CRX Antibody (monoclonal) (M04) - 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) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

CRX Antibody (monoclonal) (M04) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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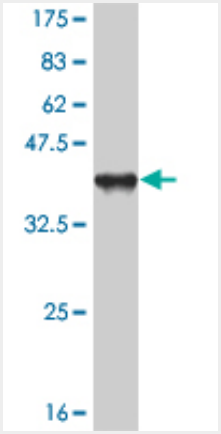
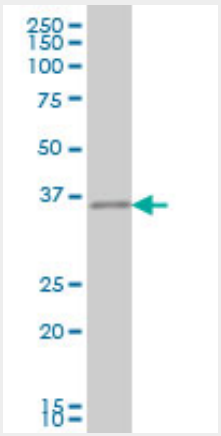
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

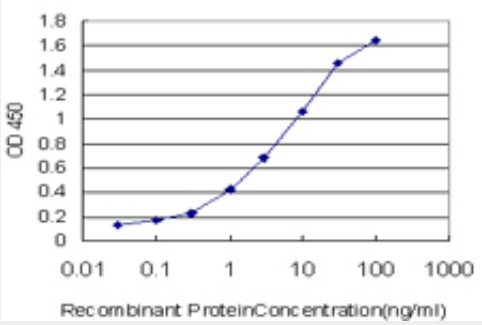
CRX Antibody (monoclonal) (M04) - Images



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



CRX monoclonal antibody (M04), clone 6D11 Western Blot analysis of CRX expression in PC-12 ((Cat # AT1639a)



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

CRX Antibody (monoclonal) (M04) - 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.

CRX Antibody (monoclonal) (M04) - References

Development of a Diagnostic Genetic Test for Simplex and Autosomal Recessive Retinitis Pigmentosa. Clark GR, et al. Ophthalmology, 2010 Jun 28. PMID 20591486.CRX is a diagnostic marker of retinal and pineal lineage tumors. Santagata S, et al. PLoS One, 2009 Nov 20. PMID 19936203.Mutations in the DNA-binding domain of NR2E3 affect in vivo dimerization and interaction with CRX. Roduit R, et al. PLoS One, 2009 Oct 12. PMID 19823680.Mutations that are a common cause of Leber congenital amaurosis in northern America are rare in southern India. Sundaresan P, et al. Mol Vis, 2009 Sep 4. PMID 19753312.Differential CRX and OTX2 expression in human retina and retinoblastoma. Glubrecht DD, et al. J Neurochem, 2009 Oct. PMID 19686387.