

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CRX in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CRX Ala166-Leu299 Accession # O43186
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CRX (Cone Rod homeobox protein) is a 37-39 kDa member of the Otx family of paired-like homeodomain containing proteins. It is expressed in pinealocytes, cones, rods and rod bipolar cells, and promotes the transcription of photoreceptor cell proteins such as rhodopsin, IRBP and β -phosphodiesterase. Although CRX may act alone, it typically binds noncovalently to both QRX and NRL, forming a transcriptional complex. Human CRX is 299 amino acids (aa) in length. It contains one DNA-binding homeobox domain (aa 39-98). There is one isoform variant that shows a deletion of aa 146-149. Over aa 166-299, human CRX shares 97% aa identity with mouse CRX.

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