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Datasheet for ABIN1885644  
**anti-CRYbA4 antibody (AA 1-150)**

### Overview

Quantity:	100 µL
Target:	CRYbA4
Binding Specificity:	AA 1-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYbA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 150 of Beta-crystallin A4
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	CRYbA4
Alternative Name:	Beta-crystallin A4 ( <a href="#">CRYbA4 Products</a> )
Background:	Crystallins are separated into two classes: taxon-specific, or enzyme, and ubiquitous. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. Since lens central fiber cells lose their nuclei during development, these crystallins are made and then retained throughout life, making them extremely stable

## Target Details

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proteins. Mammalian lens crystallins are divided into alpha, beta, and gamma families, beta and gamma crystallins are also considered as a superfamily. Alpha and beta families are further divided into acidic and basic groups. Seven protein regions exist in crystallins: four homologous motifs, a connecting peptide, and N- and C-terminal extensions. Beta-crystallins, the most heterogeneous, differ by the presence of the C-terminal extension (present in the basic group, none in the acidic group). Beta-crystallins form aggregates of different sizes and are able to self-associate to form dimers or to form heterodimers with other beta-crystallins. This gene, a beta acidic group member, is part of a gene cluster with beta-B1, beta-B2, and beta-B3. [provided by RefSeq]

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Molecular Weight: 22 kDa

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Gene ID: 1413

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NCBI Accession: [NM\\_001886](#), [NP\\_001877](#)

## Application Details

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Application Notes: Suggested dilutions:  
Western blotting: 1.500-1.3000  
Immunofluorescence: 1.100-1.200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: 0.1 M Tris-buffered saline with 10 % Glycerol (pH 7.0). 0.01 % Thimerosal was added as a preservative.

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Preservative: Thimerosal (Merthiolate)

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Precaution of Use: Biohazard Informations: This product contains thimerosal which is hazardous.

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Storage: 4 °C/-20 °C

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Storage Comment: Store at -20 °C for long term preservation (recommended). Store at 4 °C for short term use.