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Datasheet for ABIN1705090  
**anti-CRYBA1 antibody (AA 101-200) (Cy5)**

### Overview

Quantity:	100 µL
Target:	CRYBA1
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYBA1 antibody is conjugated to Cy5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human beta Crystallin A3
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	CRYBA1
Alternative Name:	beta Crystallin A3 ( <a href="#">CRYBA1 Products</a> )
Background:	Synonyms: Beta crystallin A3 isoform A1 Delta4 form, Beta crystallin A3, Beta crystallin A3

## Target Details

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isoform A1 Delta7 form, Beta crystallin A3 isoform A1 Delta8 form, Beta-crystallin A3, CRBA1\_HUMAN, CRYB1, CRYBA1, Crystallin beta A1, Crystallin beta A3, Delta8 form, Eye lens structural protein, isoform A1.

Background: Crystallins are the major proteins of the vertebrate eye lens, where they maintain the transparency and refractive index of the lens. Crystallins are divided into a, b, and g families, and the b- and g-crystallins also comprise a superfamily. Crystallins usually contain seven distinctive protein regions, including four homologous motifs, a connecting peptide, and N- and C-terminal extensions. b-crystallins constitute the major lens structural proteins. They associate into dimers, tetramers, and higher order aggregates. The b-crystallin subfamily is composed of several gene products, including bA1-, bA2-, bA3-, bA4-, bB1-, bB2- and bB3-crystallin. The bA1- and bA3-crystallin proteins are encoded by a single mRNA. They differ by only 17 amino acids, and bA1-crystallin is generated by use of an alternate translation initiation site. The genes for bA4-, bB1-, bB2- and bB3-crystallin are clustered on human chromosome 22q11, while the genes for bA3/A1- and bA2-crystallin map to human chromosomes 17q11 and 2q34, respectively.

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Gene ID: 1411

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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## Handling

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months