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anti-CRYBA1 antibody (AA 101-200)



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Quantity:	100 μL
Target:	CRYBA1
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYBA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

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 (CRYBA1 Products)

Target Details

Background:

Synonyms: Beta crystallin A3 isoform A1 Delta4 form, Beta crystallin A3, Beta crystallin A3 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.

Gene ID:

1411

Application Details

ELISA 1:500-1000

IHC-P 1:200-400

IHC-F 1:100-500

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

ICC 1:100-500

Restrictions:

For Research Use only

Handling

Format: Liquid

Concentration: $1 \mu g/\mu L$

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	