

Datasheet for ABIN952455
anti-CRYGB antibody (Middle Region)[Go to Product page](#)

1 Image

Overview

Quantity:	0.4 mL
Target:	CRYGB
Binding Specificity:	AA 67-97, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYGB antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 67-97 amino acids from the Central region of Human CRYGB. Genename: CRYGB
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Gamma-crystallin B (Center).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	CRYGB
Alternative Name:	gamma-Crystallin B (CRYGB Products)
Background:	Crystallins are separated into two classes: taxon-specific, or enzyme, and ubiquitous. The latter

Target Details

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 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. Gamma-crystallins are a homogeneous group of highly symmetrical, monomeric proteins typically lacking connecting peptides and terminal extensions. They are differentially regulated after early development. Four gamma-crystallin genes (gamma-A through gamma-D) and three pseudogenes (gamma-E, gamma-F, gamma-G) are tandemly organized in a genomic segment as a gene cluster. Whether due to aging or mutations in specific genes, gamma-crystallins have been involved in cataract formation. Synonyms: CRYG2, CRYGB, Gamma-B-crystallin, Gamma-crystallin 1-2

Gene ID:	1419
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NCBI Accession:	NP_005201
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	0.25 mg/mL
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Buffer:	PBS, 0.09 % Sodium Azide
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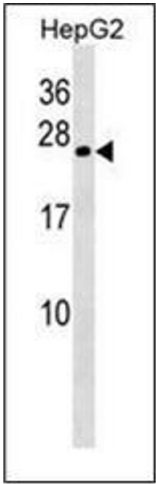
Preservative:	Sodium azide
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Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Avoid repeated freezing and thawing.
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Storage:	4 °C/-20 °C
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Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.
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Western Blotting

Image 1. Western blot analysis of Gamma-crystallin B Antibody in HepG2 cell line lysates (35ug/lane). This demonstrates the CRYGB antibody detected the CRYGB protein (arrow).