

Datasheet for ABIN7263919

anti-CRYGS antibody[Go to Product page](#)**1** Image

Overview

Quantity:	200 µL
Target:	CRYGS
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYGS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein of human CRYGS (NP_060011.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	CRYGS
Alternative Name:	CRYGS (CRYGS Products)
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

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. This gene encodes a protein initially considered to be a beta-crystallin but the encoded protein is monomeric and has greater sequence similarity to other gamma-crystallins. This gene encodes the most significant gamma-crystallin in adult eye lens tissue. Whether due to aging or mutations in specific genes, gamma-crystallins have been involved in cataract formation.

Molecular Weight:	Observed_MW: 21 kDa Calculated_MW: 21 kDa
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Gene ID:	1427
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UniProt:	P22914
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Application Details

Application Notes:	WB 1:500-1:2000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 mg/mL
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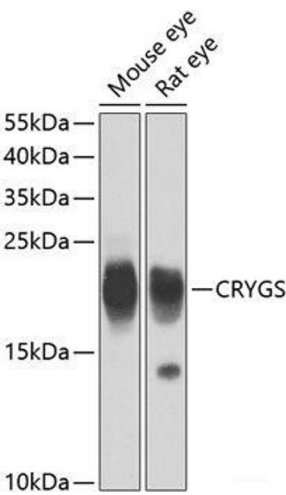
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Western Blotting

Image 1. Western blot analysis of extracts of various cell lines using CRYGS Polyclonal Antibody at dilution of 1:4000.