Datasheet for ABIN1538595

anti-CRYGD antibody (AA 73-101)

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1 Image

Overview

Quantity:	400 µL
Target:	CRYGD
Binding Specificity:	AA 73-101
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYGD antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CRYGD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 73-101 amino acids from the Central region of human CRYGD.
Clone:	RB39369
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CRYGD
Alternative Name:	CRYGD (CRYGD Products)

Target Details

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 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.
Molecular Weight:	20738
Gene ID:	1421
NCBI Accession:	NP_008822
UniProt:	P07320

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

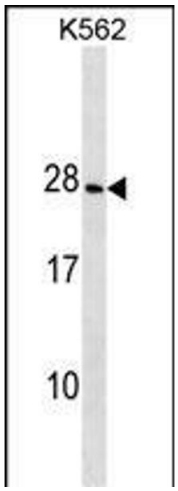
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	CRYGD Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term

Handling

	storage, keep at -20 °C.
Expiry Date:	6 months

Images



Western Blotting

Image 1. CRYGD Antibody (Center) (ABIN1538595 and ABIN2850243) western blot analysis in K562 cell line lysates (35 µg/lane).This demonstrates the CRYGD antibody detected the CRYGD protein (arrow).

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