Datasheet for ABIN6139081

anti-CRYGD antibody (AA 18-117)

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1 Image

Overview

Quantity:	100 µL
Target:	CRYGD
Binding Specificity:	AA 18-117
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYGD antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 18-117 of human CRYGD (NP_008822.2).
Sequence:	ECSSDHPNLQ PYLSRCNSAR VDSGCWMLYE QPNYSGLQYF LRRGDYADHQ QWMGLSDSVR SCRLIPHSGS HRIRLYERED YRGQMIEFTE DCSCLQDRFR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details

Target:	CRYGD
Alternative Name:	CRYGD (CRYGD 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 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.,CRYGD,CACA,CCA3,CCP,CRYG4,CTRCT4,PCC,cry-g-D,Neuroscience,CRYGD
Molecular Weight:	20 kDa
Gene ID:	1421
UniProt:	P07320

Application Details

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

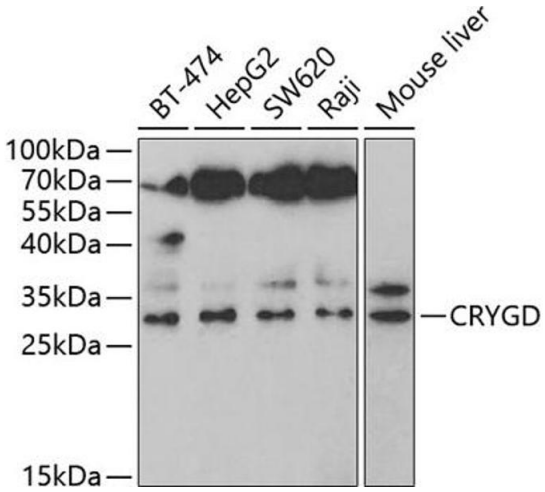
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C

Handling

Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CRYGD antibody (ABIN6128995, ABIN6139081, ABIN6139082 and ABIN6221410) at 1:1000 dilution._Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution._Lysates/proteins: 25 µg per lane._Blocking buffer: 3 % nonfat dry milk in TBST._Detection: ECL Enhanced Kit (RM00021)._Exposure time: 90s.