

Datasheet for ABIN6139085  
**anti-CRYZ antibody (AA 1-329)**



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3 Images

### Overview

Quantity:	100 µL
Target:	CRYZ
Binding Specificity:	AA 1-329
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYZ antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-329 of human CRYZ (NP_001123514.1).
Sequence:	MATGQKLMRA VRVFEFGGPE VLKLRSDIAV PIPKDHQVLI KVHACGVNPV ETYIRSGTYS RKPLLPYTPG SDVAGVIEAV GDNASAFKKG DRVFTSSTIS GGYAEYALAA DHTVYKLPEK LDFKQGAAG IPYFTAYRAL IHSACVKAGE SVLVHGASGG VGLAACQIAR AYGLKILGTA GTEEGQKIVL QNGAHEVFNH REVNYIDKIK KYVGEKGIDI IIEMLANVNL SKDLSLLSHG GRVIVVGSRG TIEINPRDTM AKESSIIGVT LFSSTKEEFQ QYAAALQAGM EIGWLKPVIG SQYPLEKVAE AHENIIHGSG ATGKMILL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Product Details

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Purification: Affinity purification

## Target Details

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Target: CRYZ

Alternative Name: CRYZ ([CRYZ 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. The former class is also called phylogenetically-restricted crystallins. This gene encodes a taxon-specific crystallin protein which has NADPH-dependent quinone reductase activity distinct from other known quinone reductases. It lacks alcohol dehydrogenase activity although by similarity it is considered a member of the zinc-containing alcohol dehydrogenase family. Unlike other mammalian species, in humans, lens expression is low. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One pseudogene is known to exist.,CRYZ,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Endocrine & Metabolism,Nucleotide metabolism,Drug metabolism,Neuroscience,CRYZ

Molecular Weight: 20 kDa/31 kDa/35 kDa

Gene ID: 1429

UniProt: [Q08257](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

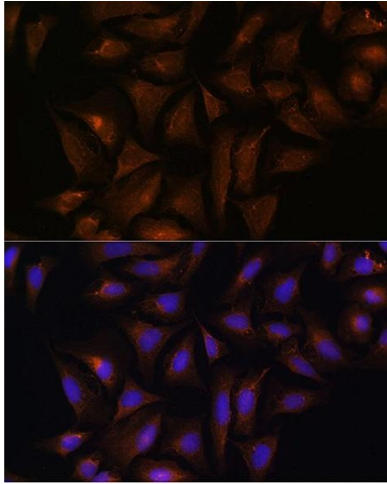
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C

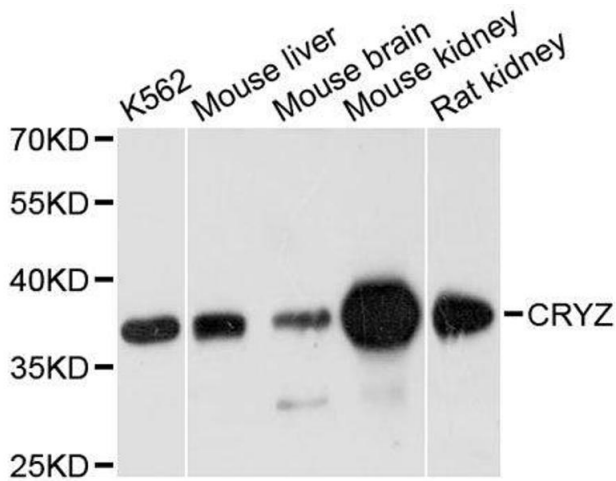
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



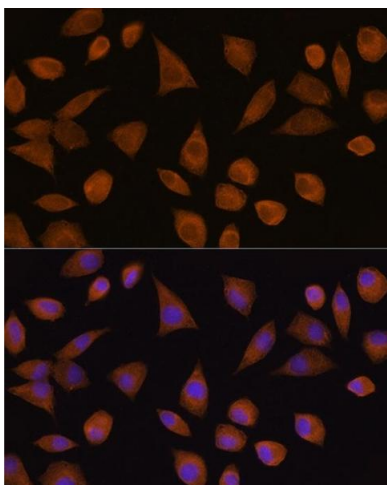
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U-2 OS cells using CRYZ Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using CRYZ antibody.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of L929 cells using CRYZ Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.