Leader in Biomolecular Solutions for Life Science

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# CRYGS Rabbit pAb

**Catalog No.: A7888** 2 Publications

## Basic Information

**Observed MW**
21kDa

**Calculated MW**
21kDa

**Category**
Primary antibody

**Applications**
ELISA,WB

**Cross-Reactivity**
Human, Mouse, Rat

## 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. 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.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:2000 |

## Immunogen Information

**Gene ID**
1427

**Swiss Prot**
P22914

**Immunogen**
Recombinant fusion protein containing a sequence corresponding to amino acids 1-178 of human CRYGS (NP_060011.1).

**Synonyms**
CRYG8; CTRCT20; CRYGS

## Contact


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## Product Information

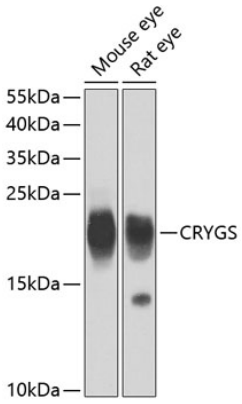
**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data




Western blot analysis of extracts of various cell lines, using CRYGS antibody (A7888) at 1:4000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.