

Datasheet for ABIN6139077  
**anti-CRYbB2 antibody (AA 1-205)**[Go to Product page](#)

## 1 Image

## Overview

|                      |                                       |
|----------------------|---------------------------------------|
| Quantity:            | 100 µL                                |
| Target:              | CRYbB2                                |
| Binding Specificity: | AA 1-205                              |
| Reactivity:          | Human                                 |
| Host:                | Rabbit                                |
| Clonality:           | Polyclonal                            |
| Conjugate:           | This CRYbB2 antibody is un-conjugated |
| Application:         | Western Blotting (WB)                 |

## Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 1-205 of human CRYBB2 (NP_000487.1).   |
| Sequence:         | MASDHQTQAG KPQSLNPKII IFEQENFQGH SHELNGPCPN LKETGVEKAG SVLVQAGPWV<br>GYEQANCKGE QFVFEKGEYP RWDSWTSSRR TDSLSSLRPI KVDSQEHKII LYENPNFTGK<br>KMEIIDDDVP SFHAHGYQEK VSSVRVQSGT WVGYPYQGYR GLQYLLEKGD YKDSSDFGAP<br>HPQVQSVRRI RDMQWHQRGA FHPSN |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human, Mouse, Rat  |
| Characteristics:  | Polyclonal Antibodies  |
| Purification:     | Affinity purification  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | CRYbb2  |
| Alternative Name: | CRYBB2 ( <a href="#">CRYbb2 Products</a> )  |
| Background:       | <p>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. Beta-crystallins, the most heterogeneous, differ by the presence of the C-terminal extension (present in the basic group, none in the acidic group). Beta-crystallins form aggregates of different sizes and are able to self-associate to form dimers or to form heterodimers with other beta-crystallins. This gene, a beta basic group member, is part of a gene cluster with beta-A4, beta-B1, and beta-B3. A chain-terminating mutation was found to cause type 2 cerulean cataracts.,CRYBB2,CCA2,CRYB2,CRYB2A,CTRCT3,D22S665,CRYBB2</p> |
| Molecular Weight: | 23 kDa  |
| Gene ID:          | 1415  |
| UniProt:          | <a href="#">P43320</a>  |

## Application Details

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

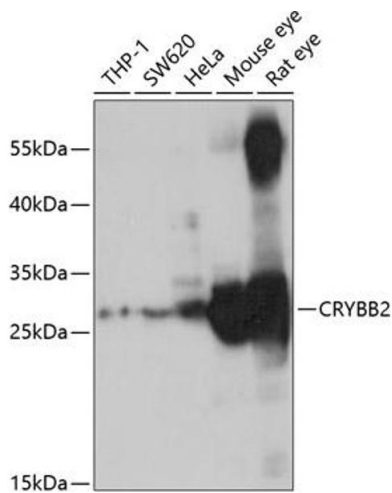
## Handling

|                    |  |
|--------------------|--|
| 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 CRYBB2 antibody (ABIN6130971, ABIN6139077, ABIN6139078 and ABIN6221220) 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 Basic Kit (RM00020). Exposure time: 15s.