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## Datasheet for ABIN5515282 **anti-CRYBB1 antibody (Middle Region)**

### Overview

Quantity:	100 µL
Target:	CRYBB1
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYBB1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Human CRYBB1
Sequence:	SIIVSAGPWV AFEQSNFRGE MFILEKGEYP RWNTWSSSYR SDRLMSFRPI
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 93%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against CRYBB1. It was validated on Western Blot.
Purification:	Affinity Purified

### Target Details

Target:	CRYBB1
Alternative Name:	CRYBB1 ( <a href="#">CRYBB1 Products</a> )

## 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. 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, undergoes extensive cleavage at its N-terminal extension during lens maturation. It is also a member of a gene cluster with beta-A4, beta-B2, and beta-B3.

Alias Symbols: CATCN3

Protein Interaction Partner: CRYBA1, TERF2IP, TERF1, CRYBB1, ABCC8,

Protein Size: 252

Gene ID: 1414

NCBI Accession: [NM\\_001887](#), [NP\\_001878](#)

UniProt: [P53674](#)

## Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

**Preservative:** Sodium azide

## Handling

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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.