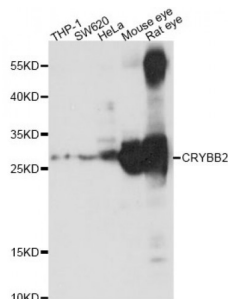


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Crystallin Beta B2 (CRYBB2) Antibody

Catalogue No.: abx000083



Western blot analysis of extracts of various cell lines, using CRYBB2 antibody (abx000083) at 1/1000 dilution.

CRYBB2 Antibody is a Mouse Monoclonal antibody against CRYBB2. 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.

Target:	CRYBB2
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Tested Applications:	WB

Recommended dilutions: WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

Immunogen:	Recombinant protein of human CRYBB2.
Purification:	Affinity purified.
Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated

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Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight: Calculated MW: 23 kDa
Observed MW: 23 kDa

Swiss Prot: [P43320](#)

GeneID: [1415](#)

Gene Symbol: CRYBB2

Concentration: > 1 mg/ml

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

Note: This product is for research use only.