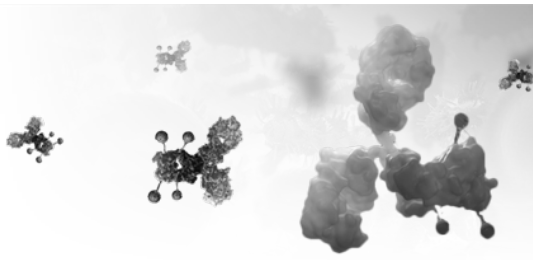

Mouse anti-Human CRYBB1 monoclonal antibody, clone 4E0 (CABT-B10034)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	CRYBB1 (NP_001878, 37 a.a. ~ 138 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	4E0
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	TTLAPTTVPITSAKAAELPPGNYRLVVFELENFQGRRAEFSGECSNLADRGFDRVRSIIV SAGPWVAFEQSNFRGEMFILEKGEYPRWNTWSSSYRSDRLM*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	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. [provided by RefSeq, Jul 2008]
Keywords	CRYBB1; crystallin, beta B1; CATCN3; CTRCT17; beta-crystallin B1; beta-B1 crystallin; eye lens structural protein;

GENE INFORMATION

Entrez Gene ID	1414
UniProt ID	P53674
Function	structural constituent of eye lens

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