Datasheet for ABIN2784720

anti-CRYbA4 antibody (Middle Region)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	CRYbA4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYbA4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CRYBA4
Sequence:	RGEYPSWDAW GGNTAYPAER LTSFRPAACA NHRDSRLTIF EQENFLGKKG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 82%
Characteristics:	This is a rabbit polyclonal antibody against CRYBA4. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CRYbA4
Alternative Name:	CRYBA4 (CRYbA4 Products)

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 acidic group member, is part of a gene cluster with beta-B1, beta-B2, and beta-B3. Alias Symbols: MCOPCT4 Protein Interaction Partner: CEP76, Protein Size: 196
Molecular Weight:	22 kDa
Gene ID:	1413
NCBI Accession:	NM_001886, NP_001877
UniProt:	P53673

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 196 AA
Restrictions:	For Research Use only

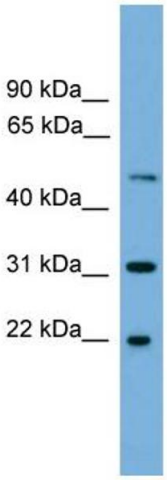
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
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.

Images

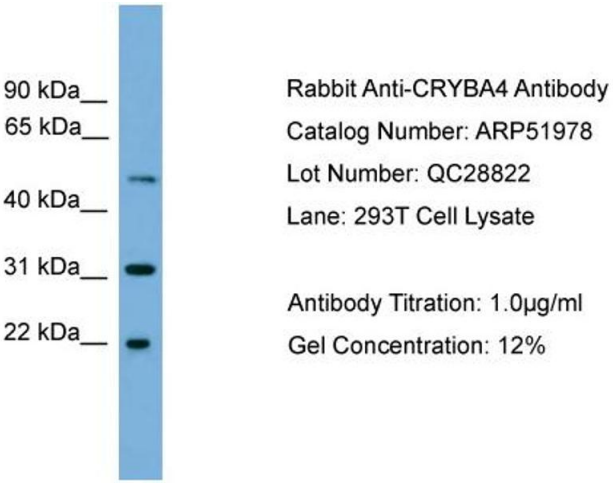


Western Blotting

Image 1. WB Suggested Anti-CRYBA4 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: 293T cell lysate



Western Blotting

Image 2. WB Suggested Anti-CRYBA4

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control:.93T cell lysate