

Anti-CRYAA Rabbit Monoclonal Antibody
Catalog # ABO15743

Specification

Anti-CRYAA Rabbit Monoclonal Antibody - Product Information

Application	WB, IF, ICC
Primary Accession	P02489
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-CRYAA Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Anti-CRYAA Rabbit Monoclonal Antibody - Additional Information

Gene ID 102724652;1409

Other Names

Alpha-crystallin A chain, Heat shock protein beta-4, HspB4, Heat shock protein family B member 4, Alpha-crystallin A(1-172), Alpha-crystallin A(1-168), Alpha-crystallin A(1-162), CRYAA, CRYA1, HSPB4

Calculated MW

17 kDa, 20 kDa KDa

Application Details

WB 1:500-1:2000
ICC/IF 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human CRYAA

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-CRYAA Rabbit Monoclonal Antibody - Protein Information

Name CRYAA

Synonyms CRYA1, HSPB4

Function

Contributes to the transparency and refractive index of the lens (PubMed:18302245). In its oxidized form (absence of intramolecular disulfide bond), acts as a chaperone, preventing aggregation of various proteins under a wide range of stress conditions (PubMed:18199971, PubMed:19595763, PubMed:22120592, PubMed:31792453). Required for the correct formation of lens intermediate filaments as part of a complex composed of BFSP1, BFSP2 and CRYAA (PubMed:28935373).

Cellular Location

Cytoplasm. Nucleus. Note=Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles

Tissue Location

Expressed in the eye lens (at protein level).

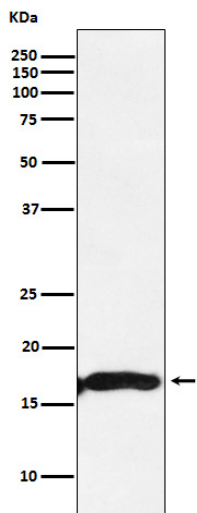
Anti-CRYAA Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

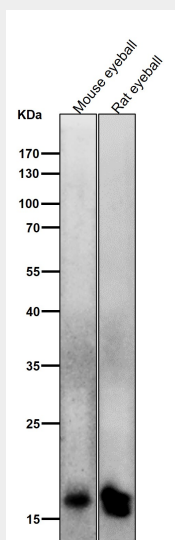
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CRYAA Rabbit Monoclonal Antibody - Images





Western blot analysis of CRYAA expression in Mouse eyeball lysate.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.