

---

**Product Name: CRYAA (15B3) Rabbit Monoclonal Antibody****Catalog #: AMRe09434**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ICC/IF 1:200-1:500
<b>Molecular Weight</b>	20kDa

**Antigen Information**

<b>Gene Name</b>	CRYAA
<b>Alternative Names</b>	Acry 1; CRYA1; CRYAA; HspB4;
<b>Gene ID</b>	102724652;1409
<b>SwissProt ID</b>	P02489
<b>Immunogen</b>	A synthetic peptide of human alpha A Crystallin

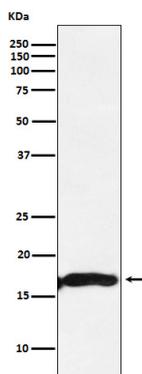
**Background**

May contribute to the transparency and refractive index of the lens. 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:22120592, PubMed:31792453, PubMed:18199971, PubMed:19595763). Required for the correct formation of lens intermediate filaments as part of a complex composed of BFSP1, BFSP2 and CRYAA (PubMed:28935373).

## Research Area

## Image Data



Western blot analysis of CRYAA expression in Mouse eyeball lysate.