

# alpha A Crystallin Rabbit mAb

Catalog # AP78264

## Product Information

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<b>Application</b>	WB, IF, ICC
<b>Primary Accession</b>	<a href="#">P02489</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human CRYAA
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	19909

## Additional Information

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<b>Gene ID</b>	102724652;1409
<b>Other Names</b>	CRYAA
<b>Dilution</b>	WB~~1/500-1/1000 IF~~1:50~200 ICC~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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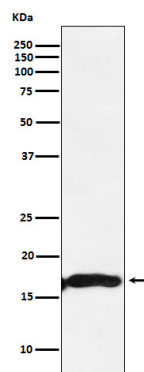
<b>Name</b>	CRYAA
<b>Synonyms</b>	CRYA1, HSPB4
<b>Function</b>	Contributes to the transparency and refractive index of the lens (PubMed: <a href="#">18302245</a> ). In its oxidized form (absence of intramolecular disulfide bond), acts as a chaperone, preventing aggregation of various proteins under a wide range of stress conditions (PubMed: <a href="#">18199971</a> , PubMed: <a href="#">19595763</a> , PubMed: <a href="#">22120592</a> , PubMed: <a href="#">31792453</a> ). Required for the correct formation of lens intermediate filaments as part of a complex composed of BFSP1, BFSP2 and CRYAA (PubMed: <a href="#">28935373</a> ).
<b>Cellular Location</b>	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).

**Images**

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.