

alpha A Crystallin Rabbit mAb
Catalog # AP78264**Specification****alpha A Crystallin Rabbit mAb - Product Information**

Application	WB
Primary Accession	P02489
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	19909

alpha A Crystallin Rabbit mAb - Additional Information**Gene ID** 102724652;1409**Other Names**

CRYAA

Dilution

WB~~1/500-1/1000

Format

Liquid

alpha A Crystallin Rabbit mAb - Protein Information**Name** CRYAA**Synonyms** CRYA1, HSPB4**Function**

Contributes to the transparency and refractive index of the lens (PubMed: [18302245](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/18199971), PubMed: [19595763](http://www.uniprot.org/citations/19595763), PubMed: [22120592](http://www.uniprot.org/citations/22120592), PubMed: [31792453](http://www.uniprot.org/citations/31792453)). Required for the correct formation of lens intermediate filaments as part of a complex composed of BFSP1, BFSP2 and CRYAA (PubMed: [28935373](http://www.uniprot.org/citations/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).

alpha A Crystallin Rabbit mAb - 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](#)

alpha A Crystallin Rabbit mAb - Images