

alpha B Crystallin Rabbit mAb
Catalog # AP75061**Specification**

alpha B Crystallin Rabbit mAb - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IP, ICC |
| Primary Accession | P02511 |
| Reactivity | Human, Rat |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Calculated MW | 20159 |

alpha B Crystallin Rabbit mAb - Additional Information**Gene ID** 1410**Other Names**
CRYAB**Dilution**
WB~~1/500-1/1000
IP~~N/A
ICC~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**alpha B Crystallin Rabbit mAb - Protein Information****Name** CRYAB ([HGNC:2389](#))**Synonyms** CRYA2, HSPB5**Function**
May contribute to the transparency and refractive index of the lens. Has chaperone-like activity, preventing aggregation of various proteins under a wide range of stress conditions. In lens epithelial cells, stabilizes the ATP6V1A protein, preventing its degradation by the proteasome (By similarity).**Cellular Location**
Cytoplasm. Nucleus Secreted. Lysosome {ECO:0000250|UniProtKB:P23927}. Note=Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles (PubMed:19464326). Localizes at the Z- bands and the intercalated disk in cardiomyocytes (PubMed:28493373) Can be secreted; the secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the

cytoplasm into the ERGIC (endoplasmic reticulum- Golgi intermediate compartment) followed by vesicle entry and secretion (PubMed:32272059).

Tissue Location

Lens as well as other tissues (PubMed:2387586, PubMed:838078). Expressed in myocardial tissue (PubMed:28493373)

alpha B 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 B Crystallin Rabbit mAb - Images



