

**Anti-CRYAB / Alpha B Crystallin Antibody (clone 1B6.1-3G4)**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS17614****Specification**

---

**Anti-CRYAB / Alpha B Crystallin Antibody (clone 1B6.1-3G4) - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P02511</a>
Predicted	Human, Mouse, Rat, Chicken, Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	20159

**Anti-CRYAB / Alpha B Crystallin Antibody (clone 1B6.1-3G4) - Additional Information****Gene ID** 1410**Alias Symbol** CRYAB**Other Names**

CRYAB, Alpha-crystallin B chain, CRYA2, Crystallin, alpha B, CTPP2, Heat shock protein beta-5, HSPB5, Alpha B Crystallin, Alpha(B)-crystallin, Rosenthal fiber component, Heat-shock 20 kD like-protein

**Reconstitution & Storage**

Protein G purified

**Precautions**

Anti-CRYAB / Alpha B Crystallin Antibody (clone 1B6.1-3G4) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-CRYAB / Alpha B Crystallin Antibody (clone 1B6.1-3G4) - 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:838078, PubMed:2387586). Expressed in myocardial tissue (PubMed:28493373)

**Anti-CRYAB / Alpha B Crystallin Antibody (clone 1B6.1-3G4) - 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-CRYAB / Alpha B Crystallin Antibody (clone 1B6.1-3G4) - Images**