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# Cryab antibody - N-terminal region
**Rabbit Polyclonal Antibody**
**Catalog # AI12889**

## Specification

### Cryab antibody - N-terminal region - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P23928 |
| Other Accession | NM_012935, NP_037067 |
| Reactivity | **Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Bovine, Guinea Pig, Dog** |
| Predicted | **Human, Mouse, Rat, Rabbit, Pig, Sheep, Bovine, Guinea Pig, Dog** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **19kDa KDa** |

### Cryab antibody - N-terminal region - Additional Information

**Gene ID** 25420

Alias Symbol **AACRYA**
**Other Names**
Alpha-crystallin B chain, Alpha(B)-crystallin, Cryab

**Format**
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**
Add 50 ul of distilled water. Final anti-Cryab antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**
Cryab antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

### Cryab antibody - N-terminal region - Protein Information

**Name** Cryab {ECO:0000312|RGD:2414}

**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 {ECO:0000250|UniProtKB:P02511}. Nucleus {ECO:0000250|UniProtKB:P02511}.

Secreted {ECO:0000250|UniProtKB:P02511}. 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. Localizes at the Z-bands and the intercalated disk in cardiomyocytes. 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. {ECO:0000250|UniProtKB:P02511}

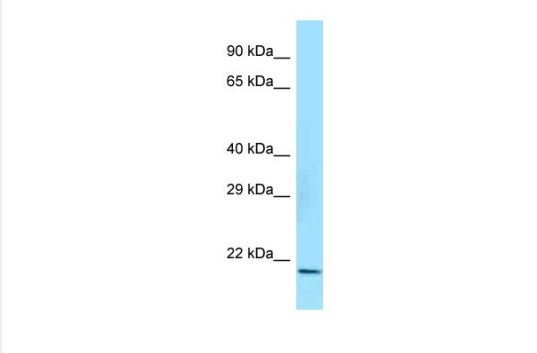
**Tissue Location**
Lens as well as other tissues.

## Cryab antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Cryab antibody - N-terminal region - Images




WB Suggested Anti-Cryab Antibody Titration: 1.0 µg/ml
Positive Control: Rat Brain