

Datasheet for ABIN7307692  
**anti-CRYAA antibody**



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3 Images

## Overview

|              |                                                                                                          |
|--------------|----------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                   |
| Target:      | CRYAA                                                                                                    |
| Reactivity:  | Human, Rat, Mouse                                                                                        |
| Host:        | Rabbit                                                                                                   |
| Clonality:   | Polyclonal                                                                                               |
| Conjugate:   | This CRYAA antibody is un-conjugated                                                                     |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC),<br>Immunochromatography (IC) |

## Product Details

|                  |                                                                 |
|------------------|-----------------------------------------------------------------|
| Purpose:         | Rabbit polyclonal antibody to Alpha-crystallin A                |
| Immunogen:       | Recombinant full length protein of human Alpha-crystallin A     |
| Specificity:     | Recognizes endogenous levels of Alpha-crystallin A protein.     |
| Characteristics: | Rabbit polyclonal antibody to Alpha-crystallin A                |
| Purification:    | The antibody was purified by immunogen affinity chromatography. |

## Target Details

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Target:           | CRYAA                                                                    |
| Alternative Name: | alpha-Crystallin A ( <a href="#">CRYAA Products</a> )                    |
| Background:       | CRYA1, HSPB4, Alpha-crystallin A chain, Heat shock protein beta-4, HspB4 |

## Target Details

|           |                                                                          |
|-----------|--------------------------------------------------------------------------|
| Gene ID:  | 102724652, 1409, 12954                                                   |
| UniProt:  | <a href="#">P02489</a> , <a href="#">P24622</a> , <a href="#">P24623</a> |
| Pathways: | <a href="#">M Phase</a>                                                  |

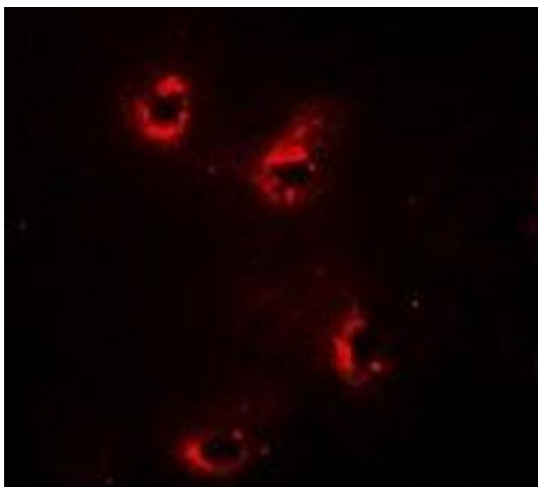
## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | WB (1:500 - 1:2000), IH (1:50 - 1:200), IF/IC (1:50 - 1:100) |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.          |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                       |
| Expiry Date:       | 12 months                                                                                                              |

## Images



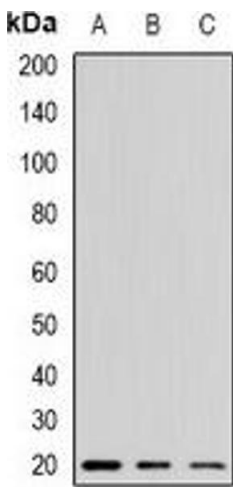
### Immunofluorescence

**Image 1.** Immunofluorescent analysis of Alpha-crystallin A staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the prim



Immunohistochemistry

**Image 2.** Immunohistochemical analysis of Alpha-crystallin A staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then



Western Blotting

**Image 3.** Western blot analysis of Alpha-crystallin A expression in mouse kidney (A), mouse liver (B), mouse heart (C) whole cell lysates.