# αB-Crystallin polyclonal antibody

Alpha-crystallins, which are part of the small Heat shock family members, are major water-soluble proteins present in the lens of the mammalian eye. Phosphorylation of serine residues which occurs during development and in response to stress, is intimately linked with its function. Chaperone activity requires, and is modulated by, oligomerization and is limited to binding unfolded intermediates to prevent irreversible aggregation.

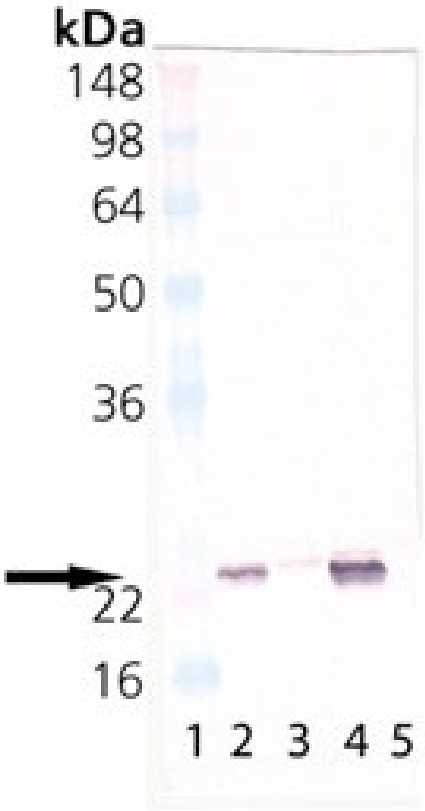
**This antibody is covered by our Worry-Free Guarantee.**

**Citations:** 52 View Online »

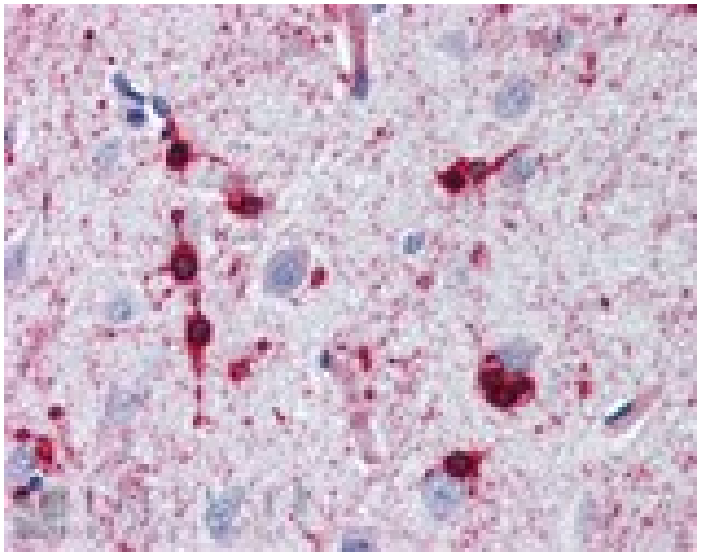
## Ordering Information Order Online »

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|---|---|
| **ADI-SPA-223-D** | 50µg |
| **ADI-SPA-223-F** | 200µg |

## Manuals, SDS & CofA View Online »




Western blot analysis of αB-Crystallin: Lane 1: MW marker, Lane 2:α-Crystallin (bovine), (native) (Prod No. ADI-SPP-225), Lane 3: αA-Crystallin (bovine), (native) (Prod No. ADI-SPP-226), Lane 4:αB-Crystallin (bovine), (native) (Prod No. ADI-SPP-227), Lane 5: β-Crystallin (bovine), (native) (Prod No. ADI-SPP-235)



Immunohistochemistry analysis of human brain, cortex tissue stained with αB-Crystallin, pAb at 10µg/ml.

## Handling & Storage

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|---|---|
| **Long Term Storage** | -20°C |
| **Shipping** | Blue Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | CRYAB, HSPB5 |
| **Application** | IF, IHC (PS), WB |
| **Application Notes** | Detects a band of ~20kDa by Western blot. |
| **Formulation** | Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide. |
| **GenBank ID** | M28638 |
| **Host** | Rabbit |
| **Immunogen** | Synthetic peptide corresponding to the sequence near the C-terminus of human αB-Crystallin. The sequence is completely conserved in rat, rabbit, and bovine. |
| **Purity Detail** | Protein A affinity purified. |
| **Recommendation Dilutions/Conditions** | Western Blot (1:1,000, colorimetric)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application. |
| **Source** | Purified from rabbit serum. |
| **Species Reactivity** | Bovine, Human, Mouse, Porcine, Rat |
| **UniProt ID** | P02511 |
| **Worry-free Guarantee** | **This antibody is covered by our Worry-Free Guarantee .** |

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