αB-Crystallin monoclonal antibody (1B6.1-3G4)

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.

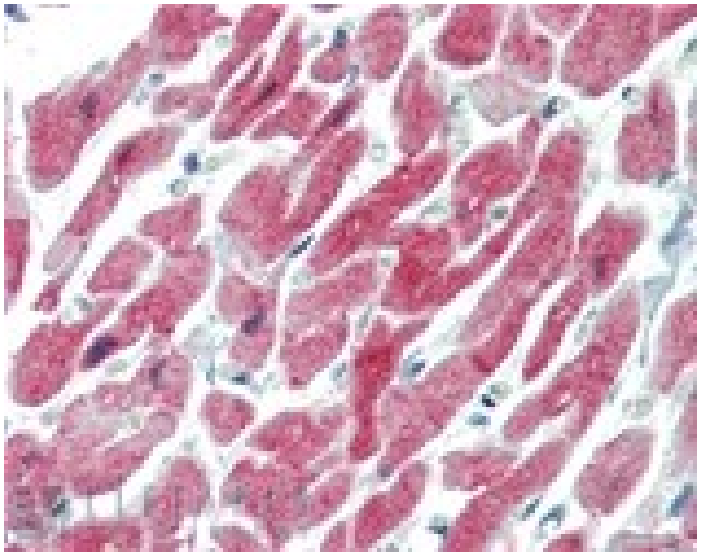
This antibody is covered by our Worry-Free Guarantee.

Citations: 57 View Online »

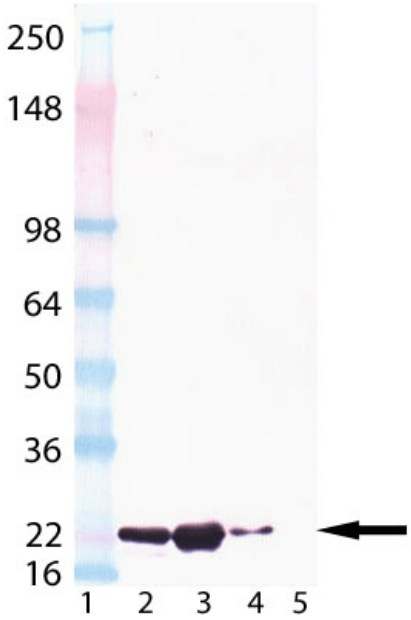
Ordering Information Order Online »

ADI-SPA-222-D	50µg
ADI-SPA-222-F	200µg

Manuals, SDS & CofA View Online »



Immunohistochemistry analysis of human Heart tissue stained with alpha B-Crystallin, mAb (1B6.1-3G4) at 10µg/ml.



Western Blot analysis of αB-Crystallin mAb (1B6.1-3G4) (Prod. No. ADI-SPA-222): Lane 1: MW Marker, Lane 2: α-Crystallin (bovine), (native) (Prod. No. ADI-SPP-225), Lane 3: αB-Crystallin (bovine), (native) (Prod. No. ADI-SPP-227), Lane 4: αA-Crystallin (bovine), (native) (Prod. No. ADI-SPP-226), Lane 5: β-Crystallin (bovine), (native) (Prod. No. ENZ-PRT224).

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CRYAB, HSPB5
Application	ICC, IF, IHC (PS), WB
Application Notes	Detects a band of ~20kDa by Western blot.
Clone	1B6.1-3G4
Formulation	Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide.
Host	Mouse
Immunogen	Bovine αB-crystallin.
Isotype	IgG1
Purity Detail	Protein G affinity purified.
Recommendation Dilutions/Conditions	Immunohistochemistry (paraffin sections, 10µg/ml)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 ascites.
Species Reactivity	Bovine, Chicken, Human, Mouse, Rat
UniProt ID	P02510
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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