

## anti- Alpha B Crystallin antibody

### Product Information

Catalog No.:	FNab00325
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Alpha B-crystallin, encoded by CRYAB gene, is multifunctional, serving as both a major structural protein in the lens and a small heat-shock protein in other tissues in mammals. Alpha B-crystallin may contribute to the transparency and refractive index of the lens. Single nucleotide polymorphisms(SNPs) in the promoter region of CRYAB gene have been associated with in multiple sclerosis. Mutations in the CRYAB gene cause distinct clinical phenotypes including isolated posterior polar cataract, myofibrillar myopathy, cardiomyopathy, or a multisystemic disorder combining all these features. Impairment of alpha-B crystallin dimerization may be relevant to the pathogenesis of these disorders.

### Immunogen information

Immunogen:	crystallin, alpha B
Synonyms:	Alpha B Crystallin, Alpha crystallin B chain, Alpha(B) crystallin, CRYA2, CRYAB, crystallin, alpha B, CTPP2, Heat shock protein beta 5, HSPB5, Rosenthal fiber component
Observed MW:	20 kDa
UniprotID :	P02511

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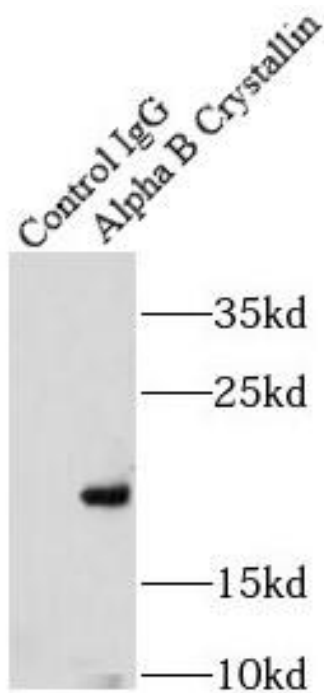
## Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:500-1:5000; IHC: 1:20-1:200; IP: 1:200-1:2000

Image:



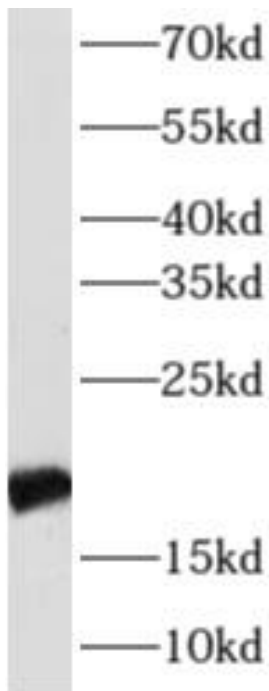
IP Result of anti-Alpha B Crystallin  
(IP:FNab00325, 3ug; Detection:FNab00325 1:500)  
with mouse heart tissue lysate 4000ug.

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human heart tissue were subjected to SDS PAGE followed by western blot with FNab00325(CRYAB antibody) at dilution of 1:500