

Anti-CRYAB/Alpha B Crystallin Rabbit Monoclonal Antibody

Catalog Number: M03496

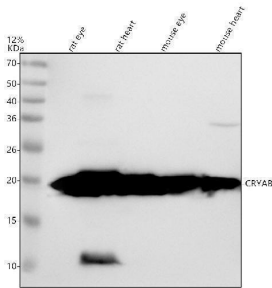
Overview

Product Name	Anti-CRYAB/Alpha B Crystallin Rabbit Monoclonal Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-CRYAB/Alpha B Crystallin Rabbit Monoclonal Antibody catalog # M03496. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal ABHC-3
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P02511

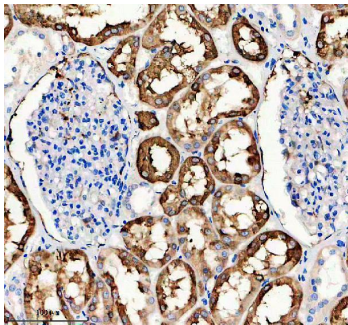
Technical Details

Immunogen	A synthesized peptide derived from human CRYAB
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:20

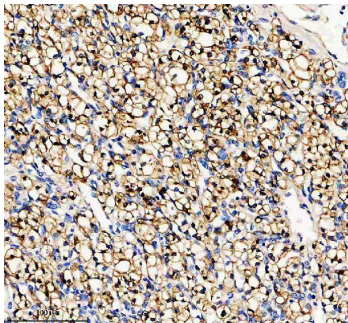
Anti-CRYAB/Alpha B Crystallin Rabbit Monoclonal Antibody (M03496) Images



Western blot analysis of Alpha B Crystallin/CRYAB using anti-Alpha B Crystallin/CRYAB antibody (M03496). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat eye tissue lysates, Lane 2: rat heart tissue lysates, Lane 3: mouse eye tissue lysates, Lane 4: mouse heart tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Alpha B Crystallin/CRYAB antigen affinity purified monoclonal antibody (M03496) at 1:500 overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Alpha B Crystallin/CRYAB at approximately 20 kDa. The expected band size for Alpha B Crystallin/CRYAB is at 20 kDa.

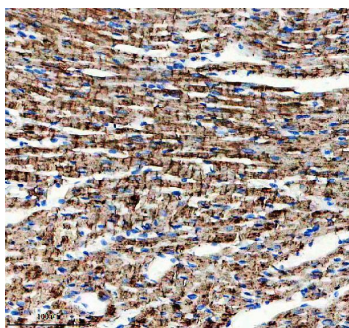


IHC analysis of Alpha B Crystallin/CRYAB using anti-Alpha B Crystallin/CRYAB antibody (M03496). Alpha B Crystallin/CRYAB was detected in a paraffin-embedded section of human kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Alpha B Crystallin/CRYAB Antibody (M03496) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of Alpha B Crystallin/CRYAB using anti-Alpha B Crystallin/CRYAB antibody (M03496). Alpha B Crystallin/CRYAB was detected in a paraffin-embedded section of human renal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Alpha B Crystallin/CRYAB Antibody (M03496) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

IHC analysis of Alpha B Crystallin/CRYAB using anti-Alpha B



Crystallin/CRYAB antibody (M03496). Alpha B Crystallin/CRYAB was detected in a paraffin-embedded section of rat heart tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Alpha B Crystallin/CRYAB Antibody (M03496) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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