

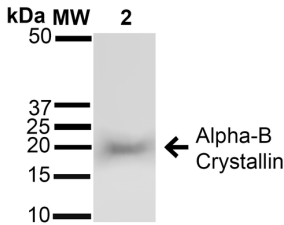
## Anti-alpha B Crystallin Antibody (A304739)

### Specifications:

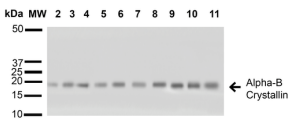
Name:	Anti-alpha B Crystallin Antibody
Description:	Rabbit polyclonal antibody to alpha B Crystallin.
Applications:	WB, IHC, ICC/IF
Recommended Dilutions:	WB: 1:5,000, ICC/IF: 1:120
Reactivity:	Human, Mouse, Rat, Bovine, Chicken
Cross Reactivity:	This antibody does not cross-react with alpha A Crystallin.
Immunogen:	Synthetic peptide corresponding to human alpha B crystallin conjugated to KLH.
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Conjugate:	Unconjugated
Purification:	Affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	~22 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline, pH 7.4, with 50% Glycerol and 0.09% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

## Anti-alpha B Crystallin Antibody (A304739)

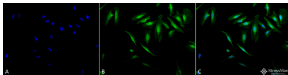
### Images:



Western blot analysis of rat brain cell lysates showing detection of ~22 kDa Alpha B Crystallin protein using Anti-alpha B Crystallin Antibody (A304739) at 1:1,000 for 60 minutes at room temperature. Lane 1: Molecular Weight Ladder (MW). Lane 2: rat brain cell lysates. Load: 15  $\mu$ g. Block: 5% Skim Milk in 1X TBST. The secondary antibody used was Goat Anti-Rabbit IgG: HRP at 1:1,000 for 60 minutes at room temperature. Color Development: ECL solution for 6 min in room temperature. Predicted/Observed Size: ~22 kDa.



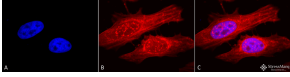
Western blot analysis of human A431, HCT116, HeLa, HepG2, HEK293, HUVEC, Jurkat, MCF7, PC3 and T98G cell lysates showing detection of ~22 kDa Alpha B Crystallin protein using Anti-alpha B Crystallin Antibody (A304739) at 1:1,000 for 60 minutes at room temperature. Lane 1: Molecular Weight Ladder (MW). Lane 2: A431 cell lysates. Lane 3: HCT116 cell lysates. Lane 4: HeLa cell lysates. Lane 5: HepG2 cell lysates. Lane 6: HEK293 cell lysates. Lane 7: HUVEC cell lysates. Lane 8: Jurkat cell lysates. Lane 9: MCF7 cell lysates. Lane 10: PC3 cell lysates. Lane 11: T98G cell lysates. Load: 15  $\mu$ g. Block: 5% Skim Milk in 1X TBST. The secondary antibody used was Goat Anti-Rabbit IgG: HRP at 1:1,000 for 60 minutes at room temperature. Color Development: ECL solution for 6 min in room temperature. Predicted/Observed Size: ~22 kDa.



Immunocytochemistry/Immunofluorescence analysis of human heat shocked cervical cancer cell line (HeLa), fixed in 2% formaldehyde for 20 minutes at room temperature, using Anti-alpha B Crystallin Antibody (A304739), at 1:120 for 12 hours at 4°C. The secondary antibody used was FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at room temperature. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at room temperature. Localization: Actin filament bundles. Nuclear splicing speckles. Exosomes. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-Alpha B Crystallin Antibody. (C) Composite. Heat Shocked at 42°C for 1h.

## Anti-alpha B Crystallin Antibody (A304739)

Images continued:



Immunocytochemistry/Immunofluorescence analysis of human heat shocked cervical cancer cell line (HeLa), fixed in 2% formaldehyde for 20 minutes at room temperature, using Anti-alpha B Crystallin Antibody (A304739), at 1:120 for 12 hours at 4°C. The secondary antibody used was APC Goat Anti-Rabbit (red) at 1:200 for 2 hours at room temperature. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at room temperature. Localization: Actin filament bundles. Nuclear splicing speckles. Exosomes. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-Alpha B Crystallin Antibody. (C) Composite. Heat Shocked at 42°C for 1h.