Product Datasheet

AlphaB Crystallin/CRYAB Antibody - BSA Free
NB120-13497

Unit Size: 0.2 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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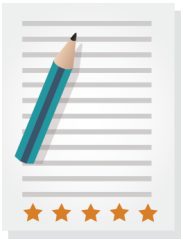
Updated 2/21/2025 v.20.1



NB120-13497

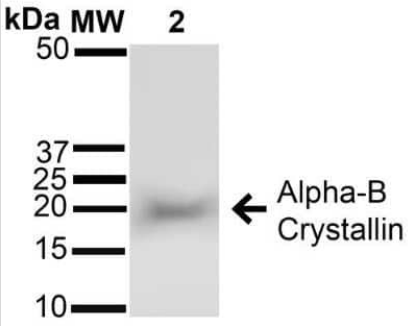
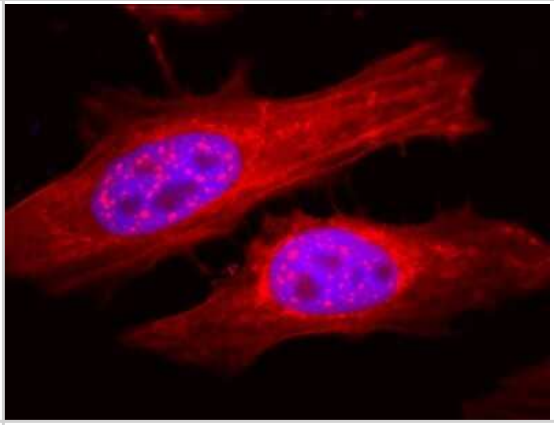
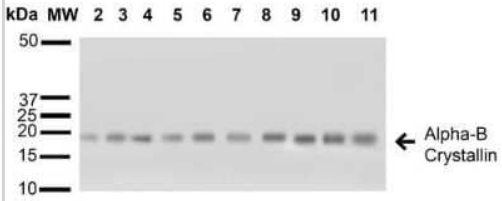
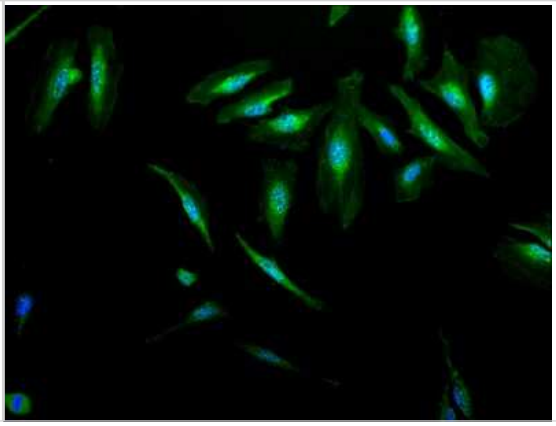
AlphaB Crystallin/CRYAB Antibody - BSA Free

Product Information	
Unit Size	0.2 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.4), 50% Glycerol

Product Description	
Host	Rabbit
Gene ID	1410
Gene Symbol	CRYAB
Species	Human, Mouse, Rat, Bovine, Chicken
Specificity/Sensitivity	Detects approx 22kDa. Does not cross-react with alpha A-crystallin.
Immunogen	Synthetic peptide corresponding to human alpha B crystallin conjugated to KLH

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:5000-1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:120, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	A 1:5000 dilution of Alpha B Crystallin Antibody was sufficient for detection of alpha B crystallin in 20 ug of HeLa cell lysate by ECL immunoblot analysis.

Images

Western Blot: AlphaB Crystallin/CRYAB Antibody [NB120-13497] - Western blot analysis of Rat Brain cell lysates showing detection of ~22 kDa AlphaB Crystallin/CRYAB protein using Rabbit Anti-AlphaB Crystallin/CRYAB Polyclonal Antibody (NB120-13497). Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Brain cell lysates. Load: 15 ug. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-AlphaB Crystallin/CRYAB Polyclonal Antibody (NB120-13497) at 1:1000 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:1000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~22 kDa.	
Immunocytochemistry/Immunofluorescence: AlphaB Crystallin/CRYAB Antibody [NB120-13497] - analysis using Rabbit Anti-Alpha B Crystallin Polyclonal Antibody . Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-Alpha B Crystallin Polyclonal Antibody at 1:120 for 12 hours at 4C. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Actin filament bundles. Nuclear splicing speckles. Exosomes. Magnification: 20x. Heat Shocked at 42C for 1h.	
Western Blot: AlphaB Crystallin/CRYAB Antibody [NB120-13497] - Western blot analysis of Human A431, HCT116, HeLa, HepG2, HEK293, HUVEC, Jurkat, MCF7, PC3 and T98G cell lysates showing detection of ~22 kDa AlphaB Crystallin/CRYAB protein using Rabbit Anti-AlphaB Crystallin/CRYAB Polyclonal Antibody (NB120-13497). 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 ug. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-AlphaB Crystallin/CRYAB Polyclonal Antibody (NB120-13497) at 1:1000 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:1000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~22 kDa.	
Immunocytochemistry/Immunofluorescence: AlphaB Crystallin/CRYAB Antibody [NB120-13497] - Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-Alpha B Crystallin Polyclonal Antibody at 1:120 for 12 hours at 4C. Secondary Antibody: APC Goat Anti-Rabbit (red) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Actin filament bundles. Nuclear splicing speckles. Exosomes. Magnification: 100x. Heat Shocked at 42C for 1h.	

Publications

Gelman BB, Nguyen TP Synaptic proteins linked to HIV-1 infection and immunoproteasome induction: proteomic analysis of human synaptosomes. J Neuroimmune Pharmacol. 2010-03-01 [PMID: 19693676] (WB, Human)

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Products Related to NB120-13497

NBL1-09497	AlphaB Crystallin/CRYAB Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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