

# Product Datasheet

## AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free NBP2-70454

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-70454**

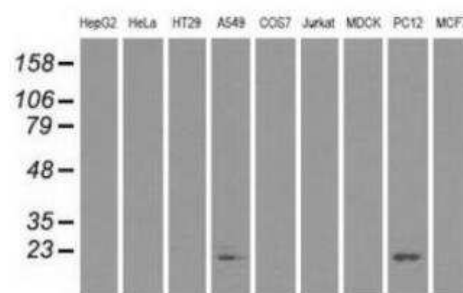
AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI6A9
Preservative	No Preservative
Reconstitution Instructions	we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	20 kDa
Product Description	
Description	Novus Biologicals Mouse AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free (NBP1-47708) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1410
Gene Symbol	CRYAB
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human CRYAB (NP_001876) produced in HEK293T cell.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:500, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunoprecipitation 2ug/500ul, Immunohistochemistry-Paraffin, CyTOF-ready

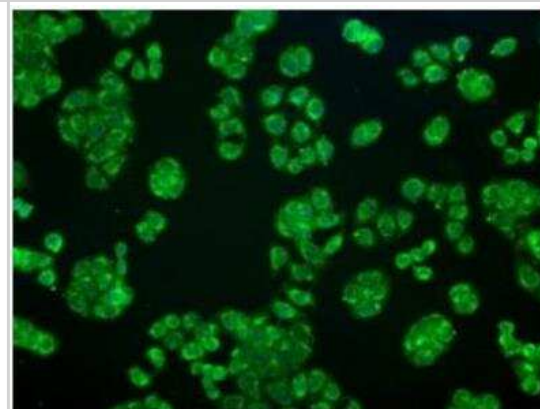


## Images

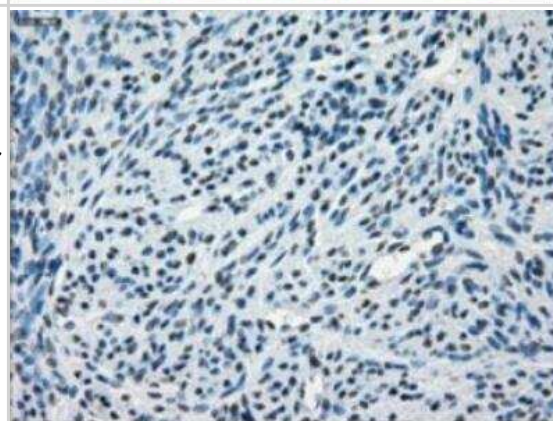
**Western Blot: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - Western blot analysis of extracts (35ug) from 9 different cell lines by using AlphaB Crystallin/CRYAB Antibody (OTI6A9). (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



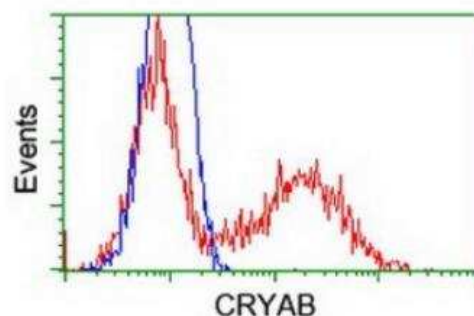
**Immunocytochemistry/Immunofluorescence: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - Immunofluorescent staining of HT29 cells using AlphaB Crystallin/CRYAB Antibody (OTI6A9) (NBP2-70454).



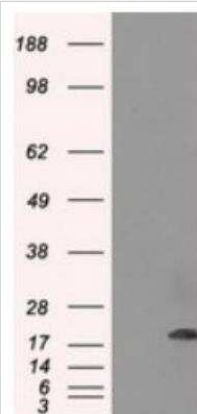
**Immunohistochemistry-Paraffin: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using AlphaB Crystallin/CRYAB Antibody (OTI6A9). (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100 degrees C for 10min, 0454)



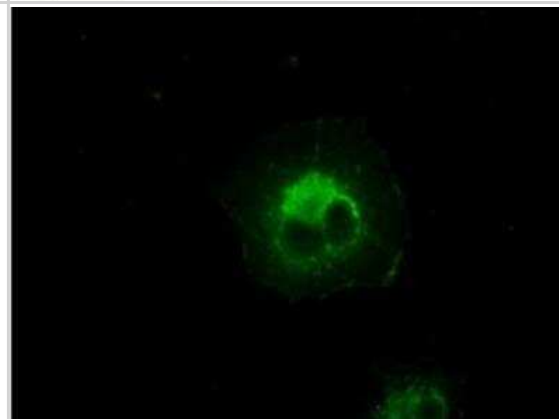
**Flow Cytometry: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - HEK293T cells transfected with either RC202718 overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by AlphaB Crystallin/CRYAB Antibody (OTI6A9) (NBP2-70454), and then analyzed by flow cytometry.



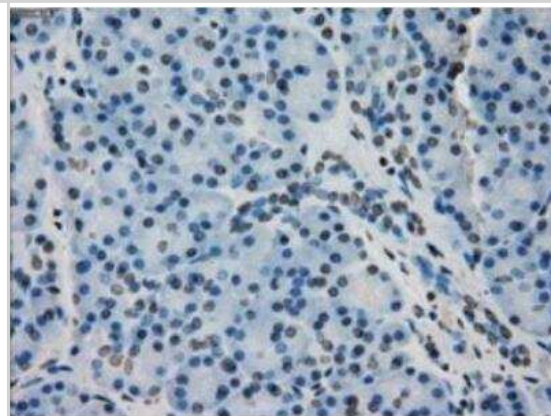
**Western Blot: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CRYAB (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with AlphaB Crystallin/CRYAB Antibody (OTI6A9).



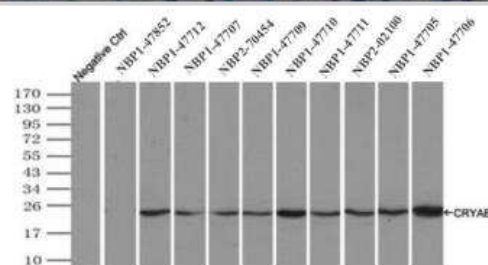
**Immunocytochemistry/Immunofluorescence: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - AlphaB Crystallin/CRYAB Antibody (OTI6A9) (NBP2-70454) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CRYAB.



**Immunohistochemistry-Paraffin: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using AlphaB Crystallin/CRYAB Antibody (OTI6A9). (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100 degrees C for 10min, NBP2-70454)



**Immunoprecipitation: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - Immunoprecipitation (IP) of CRYAB by using a monoclonal anti-CRYAB antibodies (Negative control: IP without adding anti-CRYAB antibody.). For each experiment, 500ul of DDK tagged CRYAB overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-CRYAB antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.





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### **Products Related to NBP2-70454**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-2519PEP	AlphaB Crystallin/CRYAB Antibody Blocking Peptide

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### **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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