

# 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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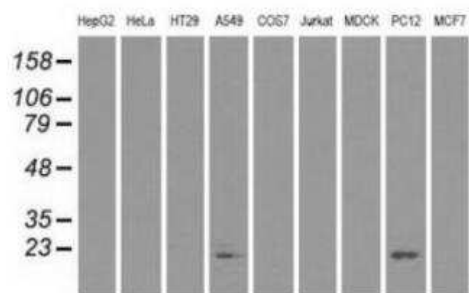
**NBP2-70454**

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

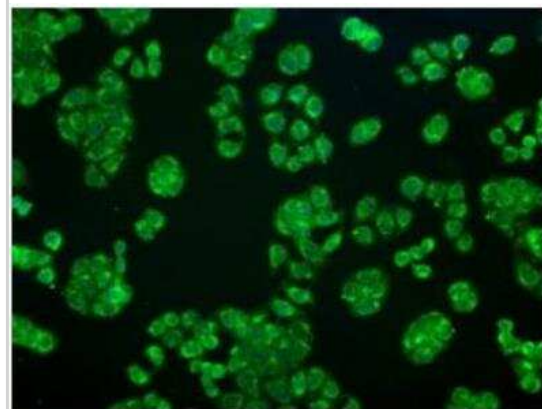
<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI6A9
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	we recommend adding 100uL distilled water 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.
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Lyophilized from PBS (pH 7.3) with 8% Trehalose
<b>Target Molecular Weight</b>	20 kDa
<b>Product Description</b>	
<b>Description</b>	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.
<b>Host</b>	Mouse
<b>Gene ID</b>	1410
<b>Gene Symbol</b>	CRYAB
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	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.
<b>Immunogen</b>	Full length human recombinant protein of human CRYAB (NP_001876) produced in HEK293T cell.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:500, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunoprecipitation 2ug/500ul, Immunohistochemistry-Paraffin, CyTOF-ready

## Images

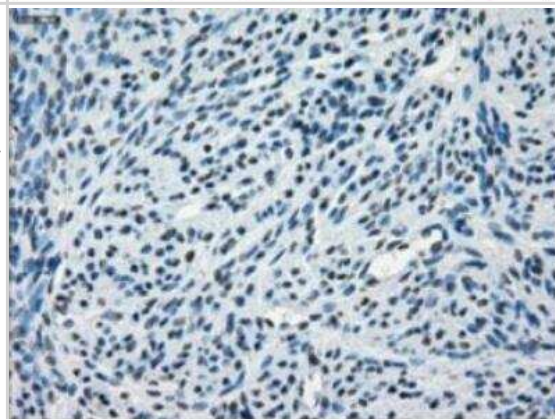
**Western Blot: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - Western blot analysis of extracts (35ug) from 9 different cell lines by using AlphaB Crystallin/CRYAB Antibody (OTI6A9). (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: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



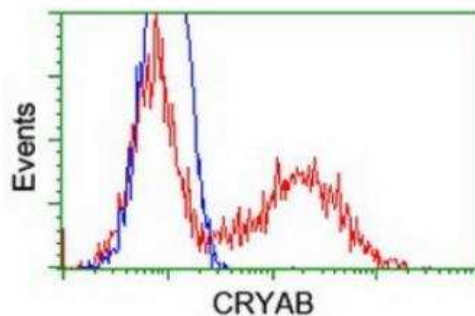
**Immunocytochemistry/Immunofluorescence: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - Immunofluorescent staining of HT29 cells using AlphaB Crystallin/CRYAB Antibody (OTI6A9) (NBP2-70454).



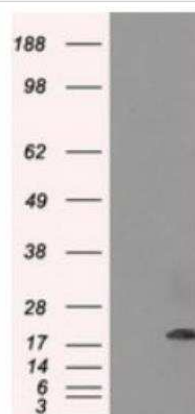
**Immunohistochemistry-Paraffin: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using AlphaB Crystallin/CRYAB Antibody (OTI6A9). (Heat-induced epitope retrieval by 10mM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



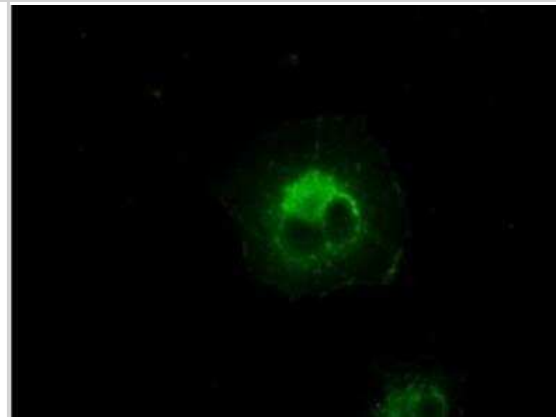
**Flow Cytometry: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454]** - HEK293T cells transfected with either RC202718 overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by AlphaB Crystallin/CRYAB Antibody (OTI6A9) (NBP2-70454), and then analyzed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



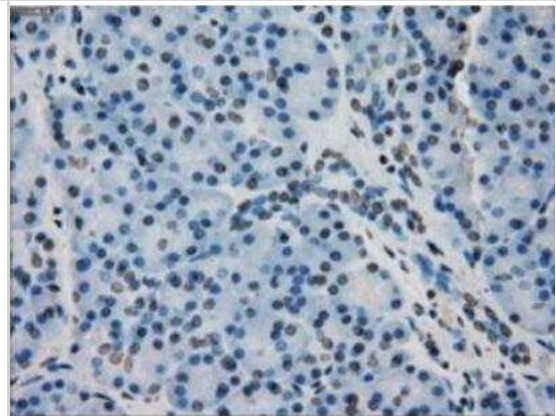
Western Blot: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CRYAB (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE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



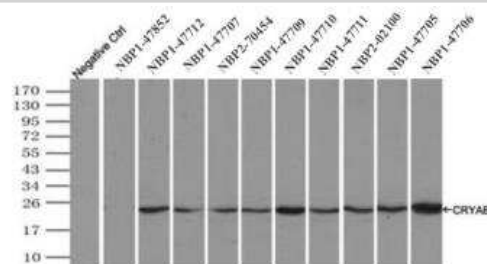
Immunocytochemistry/Immunofluorescence: AlphaB Crystallin/CRYAB Antibody (OTI6A9) - Azide and BSA Free [NBP2-70454] - AlphaB Crystallin/CRYAB Antibody (OTI6A9) (NBP2-70454) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CRYAB.



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.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

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

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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