Product Datasheet

AlphaB Crystallin/CRYAB Antibody (OTI6A9)
NBP1-47708

Unit Size: 0.1 ml

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

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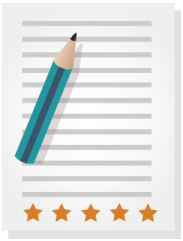
Updated 10/23/2024 v.20.1



NBP1-47708

AlphaB Crystallin/CRYAB Antibody (OTI6A9)

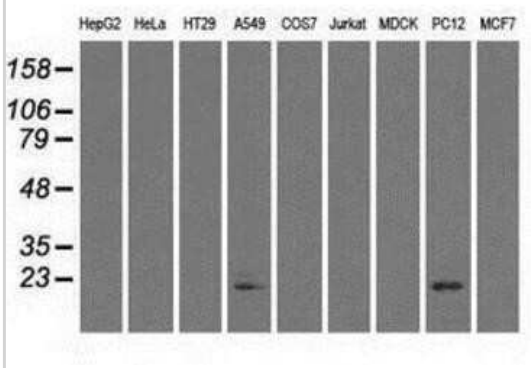
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI6A9
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	20 kDa

Product Description	
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.
Specificity/Sensitivity	This antibody is specific for Homo sapiens crystallin, alpha B (CRYAB).
Immunogen	Full length human recombinant protein of human CRYAB (NP_001876) produced in HEK293T cell.

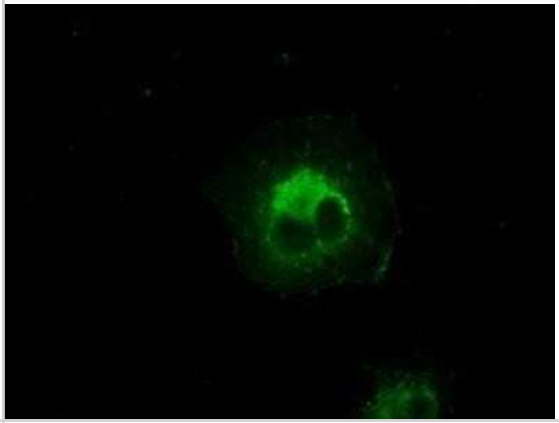
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunoprecipitation 2ug/500ul, Immunohistochemistry-Paraffin 1:50

Images

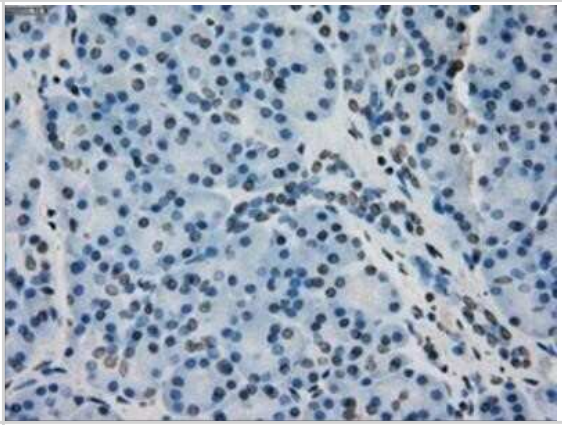
Western Blot: AlphaB Crystallin/CRYAB Antibody (OTI6A9) [NBP1-47708] - Analysis of extracts (35ug) from 9 different cell lines by usin g anti-Crystallin AB monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



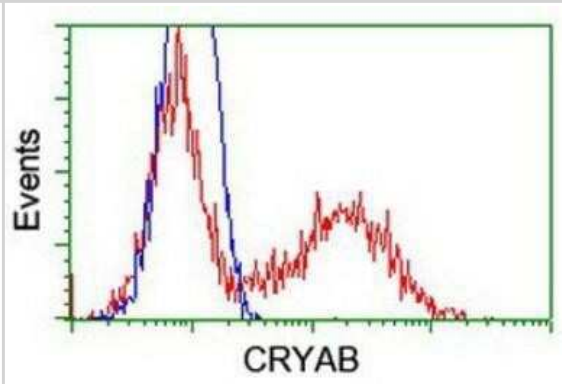
Immunocytochemistry/Immunofluorescence: AlphaB Crystallin/CRYAB Antibody (OTI6A9) [NBP1-47708] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY Crystallin AB.



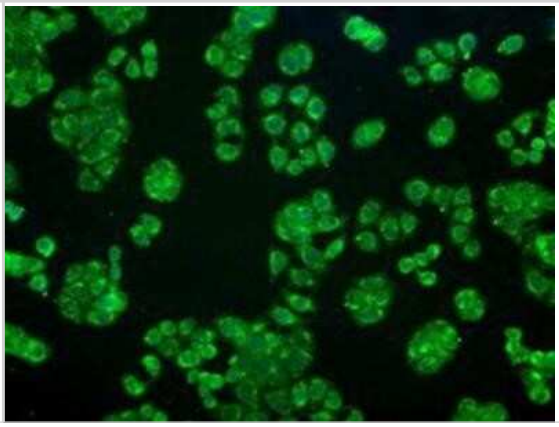
Immunohistochemistry-Paraffin: AlphaB Crystallin/CRYAB Antibody (OTI6A9) [NBP1-47708] - Staining of paraffin-embedded Human pancreas tissue using anti-Crystallin AB mouse monoclonal antibody.



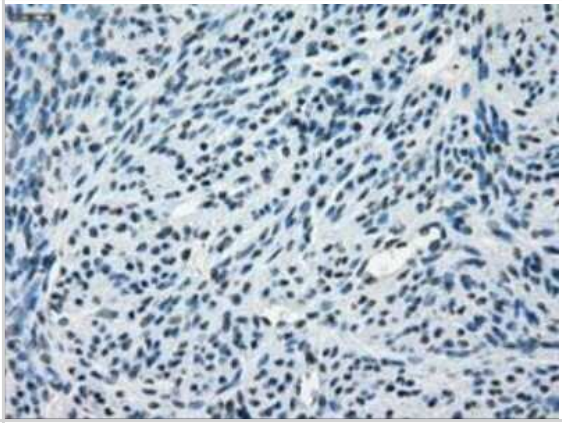
Flow Cytometry: AlphaB Crystallin/CRYAB Antibody (OTI6A9) [NBP1-47708] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-Crystallin AB antibody, and then analyzed by flow cytometry.



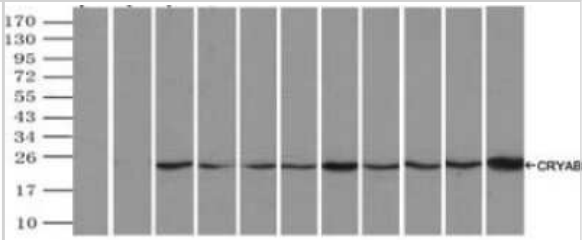
Immunocytochemistry/Immunofluorescence: AlphaB Crystallin/CRYAB Antibody (OTI6A9) [NBP1-47708] - Staining of HT29 cells using anti-Crystallin AB mouse monoclonal antibody.



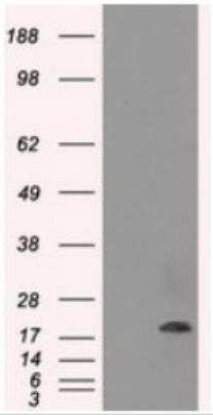
Immunohistochemistry-Paraffin: AlphaB Crystallin/CRYAB Antibody (OTI6A9) [NBP1-47708] - Staining of paraffin-embedded Human endometrium tissue using anti-Crystallin AB mouse monoclonal antibody.



Immunoprecipitation: AlphaB Crystallin/CRYAB Antibody (OTI6A9) [NBP1-47708] - (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.



Western Blot: AlphaB Crystallin/CRYAB Antibody (OTI6A9) [NBP1-47708] - 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).



Publications

Ueda S, Nishihara M, Hioka Y et al. Polo-Like Kinase 2 Plays an Essential Role in Cytoprotection against MG132-Induced Proteasome Inhibition via Phosphorylation of Serine 19 in HSPB5 International Journal of Molecular Sciences 2022-09-24 [PMID: 36232565] (Immunocytochemistry/ Immunofluorescence)

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Products Related to NBP1-47708

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

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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