Crystallin Alpha B Antibody

Mouse Monoclonal Antibody [Clone CPTC-CRYAB-1]

Catalog No	Format	Size
1410-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1410-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1410-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

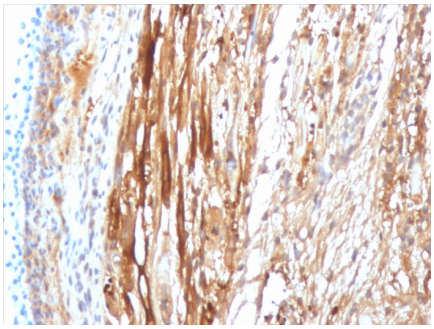
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

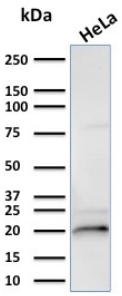
Clone	CPTC-CRYAB-1
Gene Name	CRYAB
Immunogen	Recombinant human full-length CRYAB protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c / Kappa
Mol. Weight of Antigen	Predicted: 20kDa; Observed: 22-30kDa
Cellular Localization	Cytoplasm, Lysosome, Nucleus, Secreted
Species Reactivity	Human, Rat
Positive Control	Y79, 293T whole cell lysates; heart and brain.

**Optimal dilution for a specific application should be determined.*

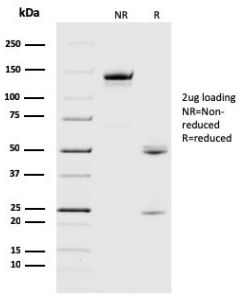
Product Images for Crystallin Alpha B Antibody



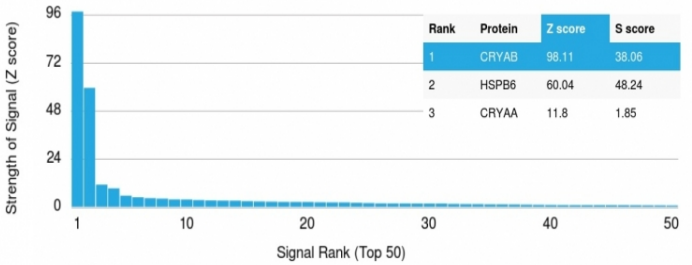
Formalin-fixed, paraffin-embedded Rat Heart Muscle stained with Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CYRAB-1).



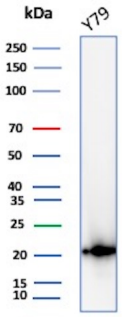
Western Blot Analysis of HeLa cell lysate using Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CYRAB-1).



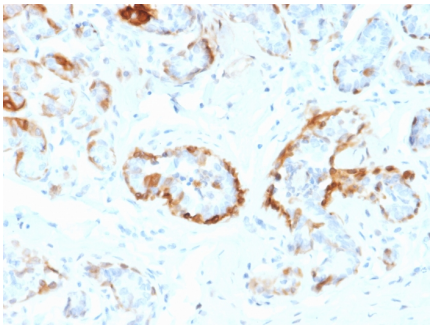
SDS-PAGE Analysis of Purified Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CYRAB-1). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CRYAB-1). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western blot analysis of Y79 ysates using CRYAB Mouse Monoclonal Antibody (CPTC-CRYAB-1).



Formalin-fixed, paraffin-embedded human Breast stained with Crystallin AlphaB Mouse Monoclonal Antibody (CPTC-CYRAB-1).

Specificity & Comments

Crystallins are the major proteins of the vertebrate eye lens, where they maintain the transparency and refractive index of the lens. Crystallins are divided into B-crystallin is associated with many neurological diseases, and a missense mutation in this gene has co-segregated in a family with a Desmin-related myopathy.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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