

## 36-2119: Anti-Crystallin Alpha B Monoclonal Antibody(Clone: CPTC-CRYAB-1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	CPTC-CRYAB-1
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human, Rat
<b>Gene :</b>	CRYAB
<b>Gene ID :</b>	1410
<b>Uniprot ID :</b>	P02511
<b>Alternative Name :</b>	AACRYA; Alpha B crystallin; Alpha-crystallin B chain; CRYA2; CTFP2; Heat shock 20 kD like protein; Heat shock protein beta-5; HspB5; Renal carcinoma antigen NY REN 27; Rosenthal fiber component
<b>Isotype :</b>	Mouse IgG2c, kappa
<b>Immunogen Information :</b>	Recombinant human full-length CRYAB protein

### Description

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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	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.

### Application Note

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 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);

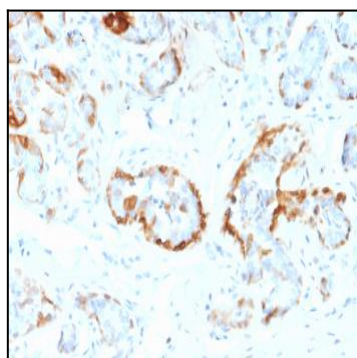


Fig. 1: Formalin-fixed, paraffin-embedded human Breast stained with Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CYRAB-1).

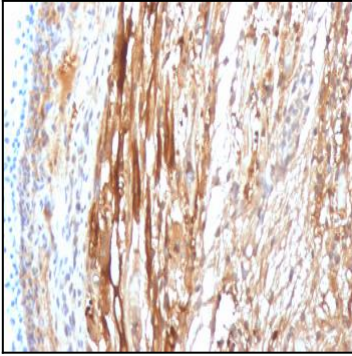


Fig. 2: Formalin-fixed, paraffin-embedded Rat Heart Muscle stained with Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CYRAB-1).

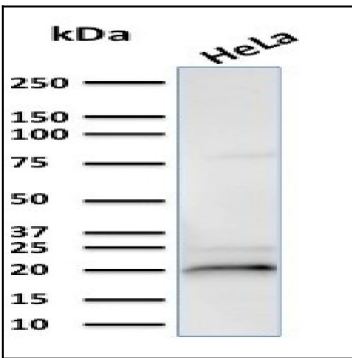


Fig. 3: Western Blot Analysis of HeLa cell lysate using Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CYRAB-1).

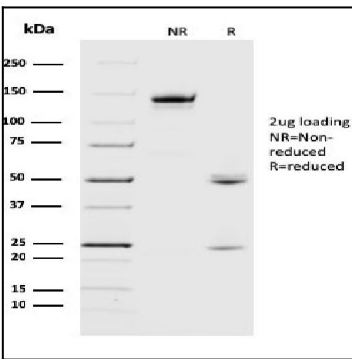


Fig. 4: SDS-PAGE Analysis Purified Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CYRAB-1). Confirmation of Purity and Integrity of Antibody

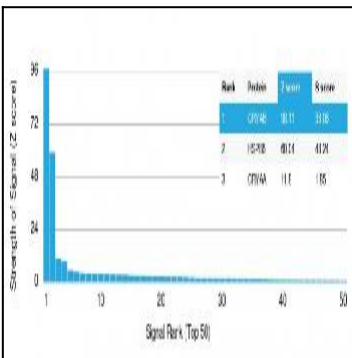


Fig. 5: Analysis of Protein Array containing more than 19,000 full-length human proteins using Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CRYAB-1). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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.