Datasheet for ABIN6939187

anti-CRYAB antibody

5 Images

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Overview

Quantity:	100 µg
Target:	CRYAB
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CRYAB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length CRYAB protein
Clone:	CPTC-CRYAB-1
Isotype:	IgG2c kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CRYAB
Alternative Name:	CRYAB (CRYAB Products)
Background:	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.

Target Details

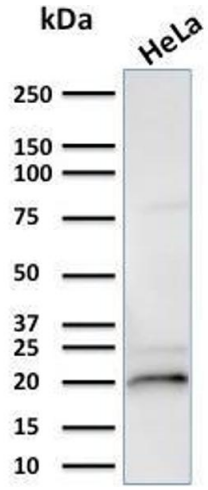
Molecular Weight:	Predicted: 20kDa, Observed: 22-30kDa
Gene ID:	1410
UniProt:	P02511

Application Details

Application Notes:	Positive Control: 293T whole cell lysates, heart and brain. Known Application: Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

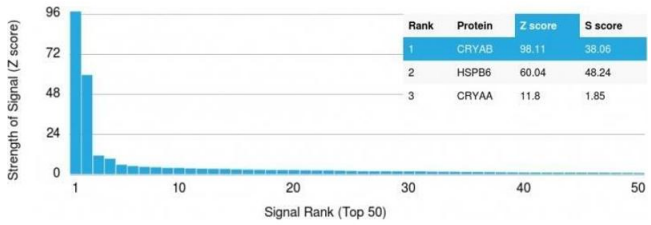
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



Western Blotting

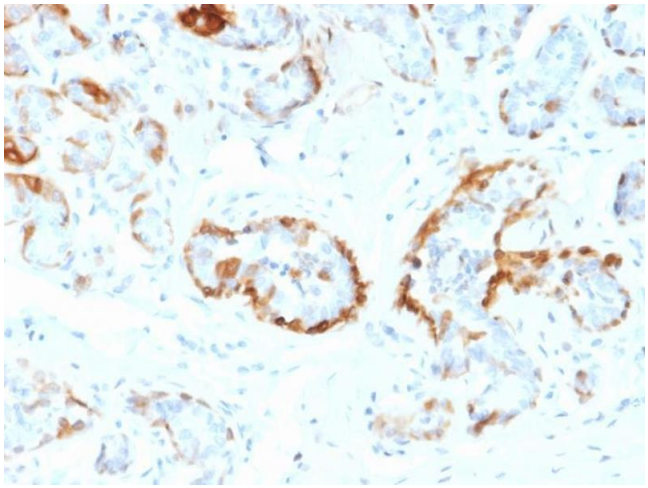
Image 1. Western Blot Analysis of HeLa cell lysate using Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CYRAB-1).



Protein Array

Image 2. 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 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.

Images



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Breast stained with Crystallin Alpha B Mouse Monoclonal Antibody (CPTC-CYRAB-1).

Please check the product details page for more images. Overall 5 images are available for ABIN6939187.