

Mouse CRYAB Monoclonal Antibody | anti-CRYAB antibody

CRYAB antibody

CATALOG # AAA106538	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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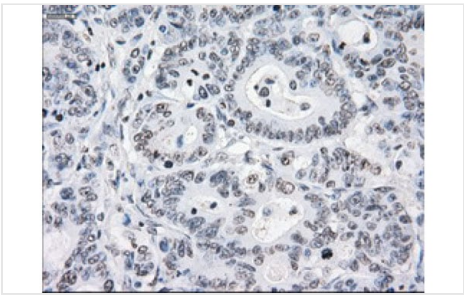
PRODUCT SYNONYMS

CRYAB; Monoclonal Antibody; CRYAB antibody; Monoclonal CRYAB; Anti-CRYAB; Crystallin Alpha B; CRYA2; CTPP2; HSPB5; anti-CRYAB antibody

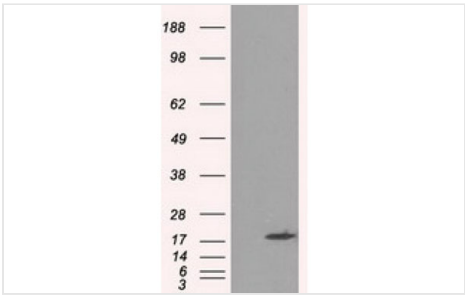
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	6G5
Purity/Purification	CRYAB antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	175
Applicable Applications for anti-CRYAB antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	Alpha crystallins are composed of: alpha-A and alpha-B, for acidic and basic, respectively. They act as molecular chaperones although they do not renature proteins and release them in the fashion of a true chaperone; instead they hold them in large soluble aggregates. Post-translational modifications decrease the ability to chaperone. Two additional functions of alpha crystallins are an autokinase activity and participation in the intracellular architecture. Alpha-A and alpha-B are differentially expressed; alpha-A is preferentially restricted to the lens and alpha-B is expressed widely in many tissues and organs. Elevated expression of alpha-B crystallin occurs in many neurological diseases; a missense mutation cosegregated in a family with a desmin-related myopathy.
Cross-Reactivity	Human
Immunogen	CRYAB antibody was raised in mouse using a protein expressed in 293T cell transfected with human CRYAB expression vector as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of CRYAB protein in paraffin embedded Adenocarcinoma of Human colon tissue using CRYAB antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CRYAB protein (Right) or empty vector (Left) detected with CRYAB antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CRYAB antibody	Mouse monoclonal CRYAB antibody
Product Categories/Family for anti-CRYAB antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	169882027
NCBI GeneID	100519789
UniProt Accession #	Q7M2W6
Molecular Weight	20,129 Da
NCBI Official Full Name	CRYAB
NCBI Official Symbol	CRYAB
NCBI Protein Information	crystallin, alpha B; Alpha(B)-crystallin; Alpha-crystallin B chain
UniProt Protein Name	Alpha-crystallin B chain
UniProt Gene Name	CRYAB
UniProt Entry Name	CRYAB_PIG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.