

Mouse CRYAB Monoclonal Antibody | anti-CRYAB antibody

CRYAB antibody

CATALOG # AAA106286	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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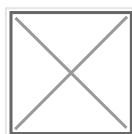
PRODUCT SYNONYMS

CRYAB; Monoclonal Antibody; CRYAB antibody; Monoclonal CRYAB; Anti-CRYAB; Crystallin alpha polypeptide 2; Heat shock protein beta 5; Renal carcinoma protein NY-REN-27; Alpha crystallin B chain; Alpha(B) crystallin; CTPP2; Crystallin alpha B; AACRYA; Heat shock protein beta-5; Heat shock 20 kD like protein; Renal carcinoma protein NY REN 27; CTPP 2; HspB5; NY REN 27 protein; CRYA2; Rosenthal fiber component; anti-CRYAB antibody

PRODUCT SPECIFICATIONS

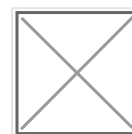
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1D11C6E6
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	175
Applicable Applications for anti-CRYAB antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Biological Significance	Alpha crystallins are composed of two gene products ; alpha-A and alpha-B, for acidic and basic, respectively. Alpha crystallins can be induced by heat shock and are members of the small heat shock protein(sHSP also known as the HSP20). They act as molecular chaperones and hold them in in large soluble aggregates. These heterogeneous aggregates consist of 30-40 subunits; the alpha-A and alpha-B subunits have a 3:1 ratio, respectively. Two additional functions of alpha-crystallins are an autokinase activity and participation in the intracellular architecture. Alpha-B is expressed widely in many tissues and organs and occurs in many neurological diseases.
Cross-Reactivity	Human
Immunogen	CRYAB antibody was raised in Mouse using a purified recombinant fragment of CRYAB(aa1-175) expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissues using CRYAB antibody.



WB (Western Blot)

Western Blot showing CRYAB antibody used against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY CRYAB cDNA (2).

ADDITIONAL INFORMATION

Related Product Information for anti-CRYAB antibody	Mouse monoclonal CRYAB antibody
Product Categories/Family for anti-CRYAB antibody	Protein Modification & Stress Response

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cryab-antibody-clone-1d11c6e6-western-blot-immunohistochemistry-elisa/106286>