

Mouse CRYAB / Alpha B Crystallin Monoclonal Antibody | anti-CRYAB antibody

Mouse Monoclonal [clone 6D11] (IgG1) to Human CRYAB / Alpha B Crystallin

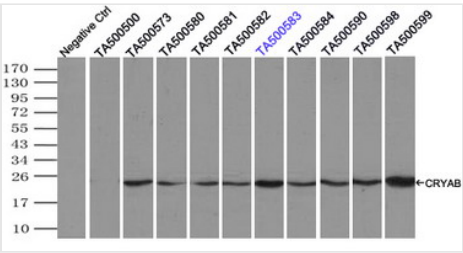
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA12373	Mouse	Human, Monkey, Rat	Immunohistochemistry, Immunofluorescence, Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

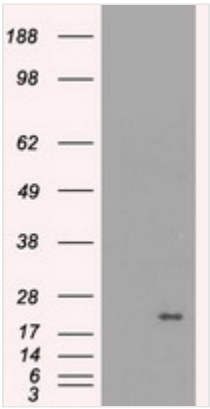
CRYAB / Alpha B Crystallin; Monoclonal Antibody; Mouse Monoclonal [clone 6D11] (IgG1) to Human CRYAB / Alpha B Crystallin; Anti-CRYAB / Alpha B Crystallin Antibody (clone 6D11) IHC-plus; CRYAB; Alpha-crystallin B chain; CRYA2; Crystallin; alpha B; CTPP2; Heat shock protein beta-5; HSPB5; Alpha B Crystallin; Alpha(B)-crystallin; Rosenthal fiber component; Heat-shock 20 kD like-protein; Human CRYAB; anti-CRYAB antibody

PRODUCT SPECIFICATIONS

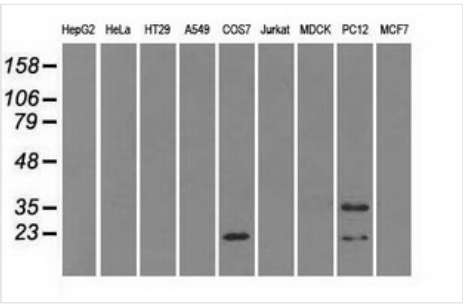
Host	Mouse
Reactivity	Human, Monkey, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6D11
Specificity	Human CRYAB / Alpha B Crystallin
Purity/Purification	Protein A/G Purified
Form/Format	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide
Concentration	0.75 mg/ml (varies by lot)
Sequence Length	175
Applicable Applications for anti-CRYAB antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Application Notes	Flo (1:100), IF (1:50 - 1:100), IHC-P (10 ug/ml), IP, WB (1:500 - 1:1000) Usage: Concentration: 0.5-1.0 mg/ml (Lot dependent)
Target Species	Human
Immunogen Description	Full length human recombinant protein of human CRYAB (NP_001876) produced in HEK293T cell.
Immunogen Type	Recombinant protein
Immunogen	CRYAB / Alpha B Crystallin antibody was raised against full length human recombinant protein of human CRYAB (NP_001876) produced in HEK293T cell.
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.



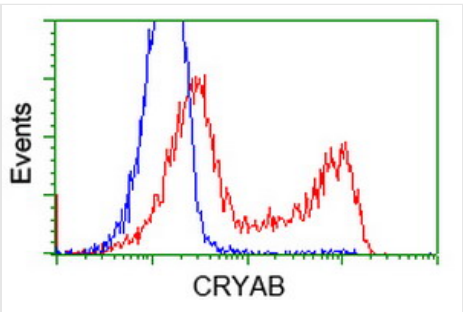
IP (Immunoprecipitation)
Immunoprecipitation(IP) of CRYAB by using monoclonal anti-CRYAB antibodies (Negative control: IP without adding anti-CRYAB antibody.). For each experiment, 500ul of DDK tagged CRYAB overexpression lysates (at 1:5 dilution with HEK293T lysate), 2 ug of anti-CRYAB antibody and 20ul (0.1 mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immunoprecipitated products were analyzed with rabbit anti-DDK polyclonal antibody.



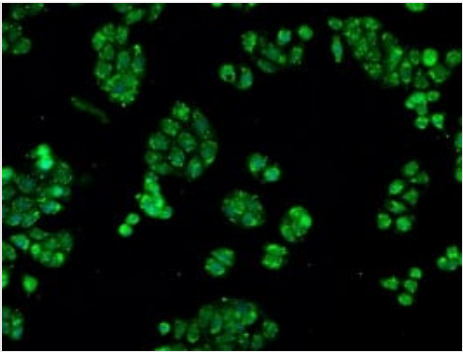
WB (Western Blot)
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CRYAB (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CRYAB.



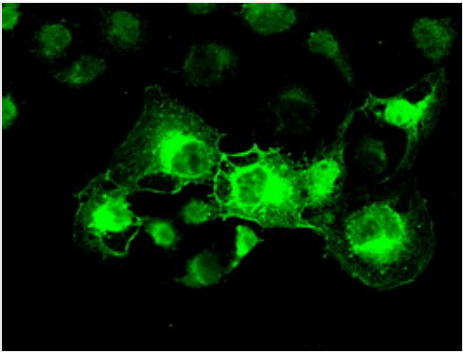
WB (Western Blot)
Western blot of extracts (35 ug) from 9 different cell lines by using anti-CRYAB monoclonal antibody.



FCM (Flow Cytometry)
HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-CRYAB antibody, and then analyzed by flow cytometry.



IF (Immunofluorescence)
Immunofluorescent staining of HT29 cells using anti-CRYAB mouse monoclonal antibody.



IF (Immunofluorescence)
Anti-CRYAB mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CRYAB.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503057
NCBI GeneID	1410
NCBI Accession #	NP_001876.1
NCBI GenBank Nucleotide #	NM_001885.2
UniProt Accession #	P02511; O43416; Q9UC37; Q9UC38; Q9UC39; Q9UC40; Q9UC41; B0YIX0
Molecular Weight	20,159 Da

NCBI Official Full Name	alpha-crystallin B chain
NCBI Official Synonym Full Names	crystallin, alpha B
NCBI Official Symbol	CRYAB
NCBI Official Synonym Symbols	MF2M; CRYA2; CTPP2; HSPB5; CMD1II; CTRCT16; HEL-S-101
NCBI Protein Information	alpha-crystallin B chain; heat shock protein beta-5; rosenthal fiber component; heat-shock 20 kD like-protein; renal carcinoma antigen NY-REN-27; epididymis secretory protein Li 101
UniProt Protein Name	Alpha-crystallin B chain
UniProt Gene Name	CRYAB
UniProt Synonym Gene Names	CRYA2; HspB5
UniProt Entry Name	CRYAB_HUMAN

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-alpha-b-crystallin-antibody-clone-6d11-immunohistochemistry-immunofluorescence-western-blot-immunoprecipitation-flow-cytometry-elisa/12373>