

AB-NN149-2

Alpha B Crystallin Antibody

Pan-specific monoclonal antibody (1A7.D5) for monitoring the expression of human Alpha B Crystallin



KINEXUS

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Target Protein

Name Long:	Alpha-crystallin B chain
Alias:	AACRYA, CRYA2, CRYAB, CTPP2, HSPB5, NY Ren 27 antigen, alpha crystallin BAntibody
UniProt ID:	P02511 - Human
Human Predicted Mass (KDa):	20.159 (175 AA; P02511-1)
Observed SDS-PAGE Mass (KDa):	21

Immunogen

Antibody Immunogen Source:	Native Alpha B Crystallin
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	51 IgG1
Antibody Purification:	Protein G purified
Amount:	50 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4 pH7.2, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB ELISA
Antibody Dilution Recommended:	WB (1:2000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Bovine
Antibody Positive Control:	0.5 µg/ml of SMC-159 was sufficient for detection of 50 ng purified alpha B crystalline by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~20 kDa protein.
Antibody Specificity:	Very high
Antibody Cross Reactivities:	Does not cross-react with αA-crystallin, βL-crystallin, βH-crystallin, γ-crystallin, HSP25, HSP27 or HSP47 proteins.

This product is for in vitro research use only and is not intended for use in humans or animals.

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