

Datasheet for ABIN7596055
anti-CRYAA antibody (AA 1-173)



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Overview

Quantity:	100 µL
Target:	CRYAA
Binding Specificity:	AA 1-173
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Human Crystallin alpha A/CRYAA antibody
Immunogen:	Recombinant human AlphaA Crystallin/CRYAA (1-173aa) purified from E. coli
Clone:	C9F2
Isotype:	IgG1 kappa
Purification:	protein-A affinity chromatography

Target Details

Target:	CRYAA
Alternative Name:	Crystallin alpha A/CRYAA (CRYAA Products)
Background:	Alpha-crystallins, a major protein of the ocular lens, are thought to play a role in maintaining lens transparency, which are composed of two gene products alpha-A and alpha-B, for acidic

Target Details

and basic, respectively. alpha-crystallins can be induced by heat shock and are members of the small heat shock protein (sHSP). They act as molecular chaperones and hold unfolded or misfolded proteins in large, water-soluble low molecular weight aggregates. These heterogeneous aggregates consist of 30-40 subunits of the alpha-A and alpha-B subunit have a 3:1 ratio, respectively. Two additional functions of alpha-crystallins are an autokinase activity and the participation in the intracellular architecture.

NCBI Accession: [NP_000385](#)

Pathways: [M Phase](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

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, -20 °C, -80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.