

MAC944Hu23

Monoclonal Antibody to Crystallin Alpha B (CRYaB)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C3

Traits: Liquid

Concentration: 1mg/mL

UOM: 20 μ L

Cross Reactivity: Rat

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant CRYaB (Met1~Lys175) expressed in *E.coli*

Accession No.: RPC944Hu01

[APPLICATIONS]

Western blotting: 0.01-2 μ g/mL;

Immunohistochemistry: 5-30 μ g/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

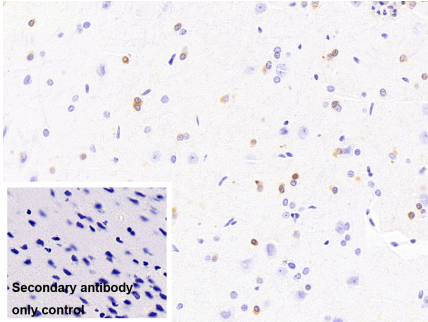
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]



DAB staining on IHC-P;

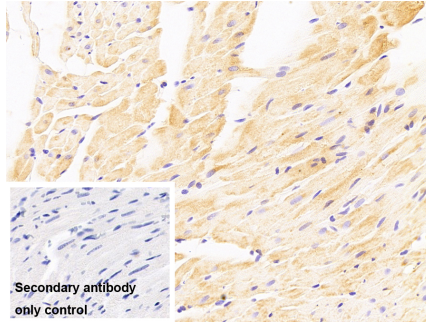
Sample: Rat Cerebrum Tissue

Primary Ab: 30µg/ml Mouse Anti-Human CRYaB Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

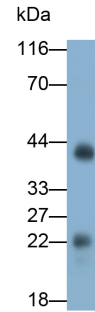
Sample: Rat Cardiac Muscle Tissue

Primary Ab: 30µg/ml Mouse Anti-Human CRYaB Antibody

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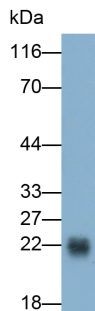


Western Blot; Sample: Rat Eye lysate

Primary Ab: 0.1µg/ml Mouse Anti-Human CRYaB Antibody

Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



Western Blot; Sample: Rat Heart lysate

Primary Ab: 0.1µg/ml Mouse Anti-Human CRYaB Antibody

Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.