

For Research Use Only

Alpha B Crystallin Recombinant monoclonal antibody, PBS Only

Catalog Number: 87851-1-PBS



Basic Information

Catalog Number:

87851-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8543

GenBank Accession Number:

BC007008

GeneID (NCBI):

1410

UNIPROT ID:

P02511

Full Name:

crystallin, alpha B

Calculated MW:

175 aa, 20 kDa

Observed MW:

20-22 kDa

Purification Method:

Protein A purification

CloneNo.:

253394A2

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Alpha B-crystallin, encoded by CRYAB gene, is multifunctional, serving as both a major structural protein in the lens and a small heat-shock protein in other tissues in mammals. Alpha B-crystallin may contribute to the transparency and refractive index of the lens. Single nucleotide polymorphisms (SNPs) in the promoter region of CRYAB gene have been associated with in multiple sclerosis. Mutations in the CRYAB gene cause distinct clinical phenotypes including isolated posterior polar cataract, myofibrillar myopathy, cardiomyopathy, or a multisystemic disorder combining all these features. Impairment of alpha-B crystallin dimerization may be relevant to the pathogenesis of these disorders.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

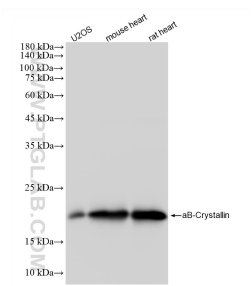
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

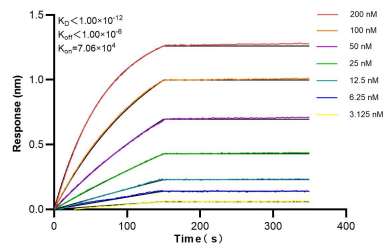
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87851-1-RR (Alpha B Crystallin antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87851-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87851-1-RR against Human Alpha B Crystallin were performed. The affinity constant is below 1 pM.