

IHC*easy* CRYAB Ready-To-Use IHC Kit

Catalog Number: **KHC1503**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human, Mouse, Rat
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Mouse Monoclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

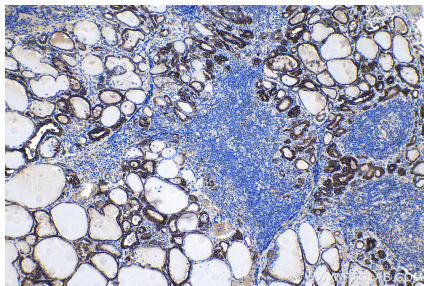
Background

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.

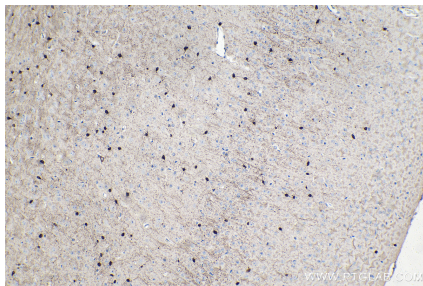
Synonyms

Alpha crystallin B chain, Alpha(B) crystallin, CRYA2, CRYAB, crystallin, alpha B, CTPP2, Heat shock protein beta 5, HSPB5, Rosenthal fiber component

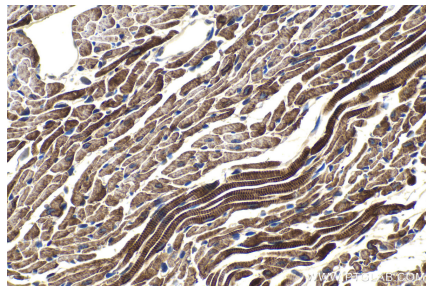
Selected Validation Data



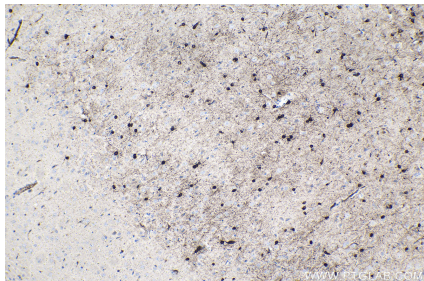
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC1503 (CRYAB IHC Kit).



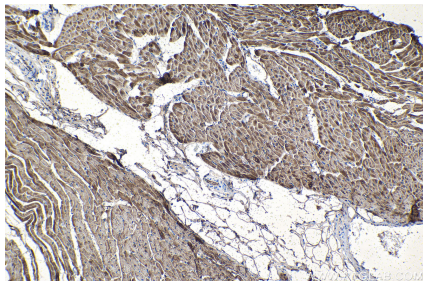
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC1503 (CRYAB IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC1503 (CRYAB IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC1503 (CRYAB IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC1503 (CRYAB IHC Kit).