



Rabbit Anti-HSPB8 monoclonal antibody, clone KK19-64 (DCABH-4190)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Hsp22
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KK19-64
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	22 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	A431, SH-SY-5Y, HeLa, HepG2, rat skeletal muscle tissue, mouse skeletal muscle tissue, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	<p>Crystallins are the major proteins expressed in the vertebrate eye lens, where they maintain the transparency and refractive index of the lens. Crystallins are divided into a, b and g families; b and g-crystallins compose a superfamily. Crystallins usually contain seven distinctive protein regions, including four homologous motifs, a connecting peptide, and N- and C-terminal extensions. a-crystallins consist of three gene products, aA, aB and aC-crystallin, which are members of the small heat shock protein family (HSP20). They are induced by heat shock, and act as molecular chaperones by holding denatured proteins in large soluble aggregates. However, unlike other molecular chaperones, a-crystallins do not renature these proteins. Research indicates that binding occurs between membranes and aC-crystallin. The binding site appears to be at the polar-apolar interface in membrane protein (MIP26) and aC-crystallin; the lipid bilayer becomes less mobile with aC-crystallin binding.</p>
Keywords	<p>Alpha crystallin C chain;Alpha-crystallin C chain;Charcot Marie Tooth disease axonal type 2L;Charcot Marie Tooth disease spinal;CMT2L;CRYAC;DHMN 2;DHMN2;E2 induced gene 1 protein;E2-induced gene 1 protein;E2IG1;H11;Heat shock 22kDa protein 8;Heat shock 27kDa protein 8;Heat shock protein 22;Heat shock protein beta 8;Heat shock protein beta-8;Hereditary motor neuropathy distal;HMN 2;HMN2;HMN2A;HSB8;HSPB 8;HspB8;HSPB8_HUMAN;OTTHUMP00000239768;Protein kinase H11;Small stress protein like protein HSP22;Small stress protein-like protein HSP22;Spinal muscular atrophy distal adult autosomal dominant antibody</p>