



Crystallin-αB (phospho Ser19) Polyclonal Antibody

Catalog No BYab-03573 Isotype IgG Reactivity Human;Mouse;Rat Applications WB;IHC;IF;ELISA Gene Name CRYAB Protein Name Alpha-crystallin B chain Immunogen The antiserum was produced against synthesized peptide derived from humory crystallin-αB (S19) Polyclonal Antibody detects endogenous lever crystallin-αB protein only when phosphorylated at S19. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year	nan
Reactivity Human; Mouse; Rat Applications WB; IHC; IF; ELISA Gene Name CRYAB Protein Name Alpha-crystallin B chain Immunogen The antiserum was produced against synthesized peptide derived from humory cryatal produced against synthesized peptide derived from humory produced against synthesized pe	nan
Applications WB;IHC;IF;ELISA Gene Name CRYAB Protein Name Alpha-crystallin B chain Immunogen The antiserum was produced against synthesized peptide derived from humory crystallin-αB around the phosphorylation site of Ser19. AA range:10-59 Specificity Phospho-Crystallin-αB (S19) Polyclonal Antibody detects endogenous lever Crystallin-αB protein only when phosphorylated at S19. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90%	nan
Gene Name CRYAB Protein Name Alpha-crystallin B chain Immunogen The antiserum was produced against synthesized peptide derived from hur CRYAB around the phosphorylation site of Ser19. AA range:10-59 Specificity Phospho-Crystallin-αB (S19) Polyclonal Antibody detects endogenous level Crystallin-αB protein only when phosphorylated at S19. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide Source Polyclonal, Rabbit,lgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90%	nan
Protein Name Alpha-crystallin B chain Immunogen The antiserum was produced against synthesized peptide derived from humory CRYAB around the phosphorylation site of Ser19. AA range:10-59 Specificity Phospho-Crystallin-αB (S19) Polyclonal Antibody detects endogenous level Crystallin-αB protein only when phosphorylated at S19. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90%	nan
Immunogen The antiserum was produced against synthesized peptide derived from hun CRYAB around the phosphorylation site of Ser19. AA range:10-59 Specificity Phospho-Crystallin-αB (S19) Polyclonal Antibody detects endogenous leve Crystallin-αB protein only when phosphorylated at S19. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90%	nan
CRYAB around the phosphorylation site of Ser19. AA range:10-59 Specificity Phospho-Crystallin-αB (S19) Polyclonal Antibody detects endogenous lever Crystallin-αB protein only when phosphorylated at S19. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90%	nan
FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azideSourcePolyclonal, Rabbit,IgGPurificationThe antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.DilutionWB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200Concentration1 mg/mlPurity≥90%	
FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azideSourcePolyclonal, Rabbit,IgGPurificationThe antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.DilutionWB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200Concentration1 mg/mlPurity≥90%	ls of
Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90%	
affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90%	
Concentration 1 mg/ml Purity ≥90%	
Purity ≥90%	
Storage Stability -20°C/1 year	
Synonyms CRYAB; CRYA2; Alpha-crystallin B chain; Alpha(B)-crystallin; Heat shock beta-5; HspB5; Renal carcinoma antigen NY-REN-27; Rosenthal fiber com	
Observed Band 24kD	
Cytoplasm . Nucleus . Secreted . Lysosome . Translocates to the nucleus of heat shock and resides in sub-nuclear structures known as SC35 speckles nuclear splicing speckles (PubMed:19464326). Localizes at the Z-bands at intercalated disk in cardiomyocytes (PubMed:28493373). Can be secreted secretion is dependent on protein unfolding and facilitated by the cargo red TMED10; it results in protein translocation from the cytoplasm into the ERC (endoplasmic reticulum-Golgi intermediate compartment) followed by vesice entry and secretion (PubMed:32272059).	or
Tissue Specificity Lens as well as other tissues (PubMed:838078, PubMed:2387586). Expres myocardial tissue (PubMed:28493373).	the eptor IC
Function disease:Crystallins do not turn over as the lens ages, providing ample opport for post-translational modifications or oxidations. These modifications may change crystallin solubility properties and favor senile cataract.,disease:De CRYAB are the cause of alpha-B crystallinopathy [MIM:608810]. Alpha-B	the eptor IC e

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658



国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务,欢迎咨询

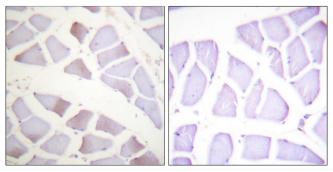


	crystallinopathy is a an autosomal dominant form of desmin-related myopathy (DRM) that results in weakness of the proximal and distal limb muscle (including neck, velopharynx, and trunk muscles), signs of cardiomyopathy and cataract. Patients with progressive myopathy characterized by myofibrillar degeneration that commences at the Z-disk, have been described. Mutations truncate the essential C-terminal domain of the protein required for the chaperone function., disease: Seen as Rosenthal fiber protein in the brain tissue of patients with Alexander disease., function: May contribute
Background	Mammalian lens crystallins are divided into alpha, beta, and gamma families. Alpha crystallins are composed of two gene products: alpha-A and alpha-B, for acidic and basic, respectively. Alpha crystallins can be induced by heat shock and are members of the small heat shock protein (HSP20) family. They act as molecular chaperones although they do not renature proteins and release them in the fashion of a true chaperone; instead they hold them in large soluble aggregates. Post-translational modifications decrease the ability to chaperone. These heterogeneous aggregates consist of 30-40 subunits; the alpha-A and alpha-B subunits have a 3:1 ratio, respectively. Two additional functions of alpha crystallins are an autokinase activity and participation in the intracellular architecture. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distin
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

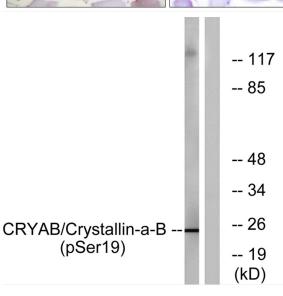




Products Images



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle, using CRYAB (Phospho-Ser19) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with nocodazole 1ug/ml 16h, using CRYAB (Phospho-Ser19) Antibody. The lane on the right is blocked with the phospho peptide.

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658