

Anti-Alpha B Crystallin antibody ab13497

★★★★★ [4 Abreviews](#) [19 References](#) [5 图像](#)

概述

产品名称	Anti-Alpha B Crystallin抗体
描述	兔多克隆抗体to Alpha B Crystallin
宿主	Rabbit
特异性	Does not cross-react with α A-crystallin.
经测试应用	适用于: IP, WB, ICC, IHC-Fr, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Rat, Chicken, Cow, Human, Pig 预测可用于: Rabbit, Hamster 
免疫原	Synthetic peptide: REEKPAVTAAPKK conjugated to KLH, corresponding to amino acids 163-175 of Human alpha B Crystallin.  Run BLAST with  Run BLAST with
阳性对照	ICC: HeLa. (Heat shocked). WB: A431, HCT116, HeLa, HepG2, HEK293, HUVEC, Jurkat, MCF7, PC3 , and Rat brain cell lysate.
常规说明	For maximum product recovery, after thawing, centrifuge the product vial before removing cap The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Constituent: Whole serum
纯度	Affinity purified
克隆	多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab13497于以下的经测试应用

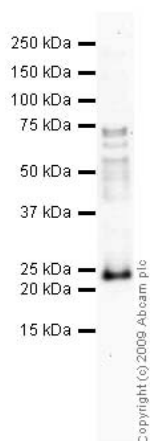
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		Use at an assay dependent concentration.
WB	★★★★★ (3)	1/1000 - 1/2000. Detects a band of approximately 22 kDa (predicted molecular weight: 20 kDa).
ICC		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC-P	★★★★☆ (1)	Use at an assay dependent concentration.
ICC/IF		1/120.

靶标

功能	May contribute to the transparency and refractive index of the lens.
组织特异性	Lens as well as other tissues.
疾病相关	Defects in CRYAB are the cause of myofibrillar alpha-B crystallin-related (MFM-CRYAB) [MIM:608810]. A neuromuscular disorder that results in weakness of the proximal and distal limb muscles, weakness of the neck, velopharynx and trunk muscles, hypertrophic cardiomyopathy, and cataract in a subset of patients.
序列相似性	Belongs to the small heat shock protein (HSP20) family.
细胞定位	Cytoplasm. Nucleus. Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles.

图片



Western blot - Anti-Alpha B Crystallin antibody (ab13497)

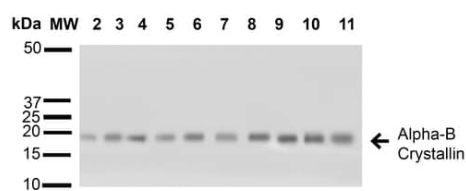
Anti-Alpha B Crystallin antibody (ab13497) at 1/1000 dilution + Human spinal cord tissue lysate - total protein (**ab29188**) at 10 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 20 kDa

Observed band size: 22 kDa



Western blot - Anti-Alpha B Crystallin antibody (ab13497)

Western blot analysis of Human A431, HCT116, HeLa, HepG2, HEK293, HUVEC, Jurkat, MCF7, PC3 and T98G cell lysates showing detection of ~22 kDa Alpha B Crystallin protein using Rabbit Anti-Alpha B Crystallin Polyclonal Antibody (ab13497).

Lane 1: Molecular Weight Ladder (MW).

Lane 2: A431 cell lysates.

Lane 3: HCT116 cell lysates.

Lane 4: HeLa cell lysates.

Lane 5: HepG2 cell lysates.

Lane 6: HEK293 cell lysates.

Lane 7: HUVEC cell lysates.

Lane 8: Jurkat cell lysates.

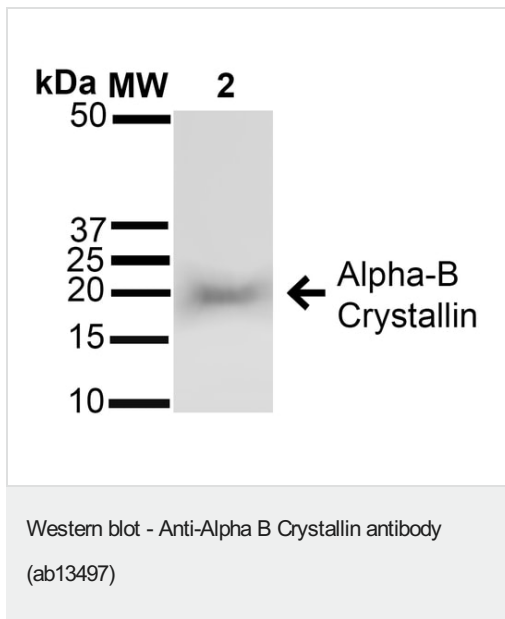
Lane 9: MCF7 cell lysates.

Lane 10: PC3 cell lysates.

Lane 11: T98G cell lysates.

Load: 15 µg. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Alpha B Crystallin Polyclonal Antibody (ab13497) at

1/1000 dilution for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1/1000 dilution for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~22 kDa.

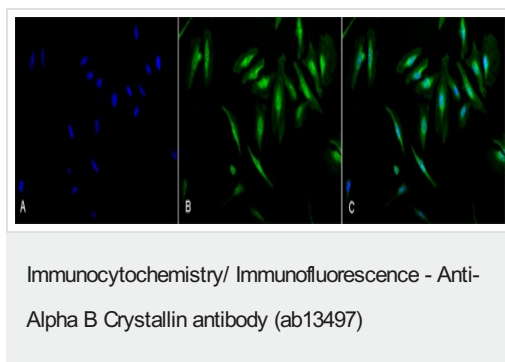


Western blot analysis of Rat Brain cell lysates showing detection of ~22 kDa Alpha B Crystallin protein using Rabbit Anti-Alpha B Crystallin Polyclonal Antibody (ab13497).

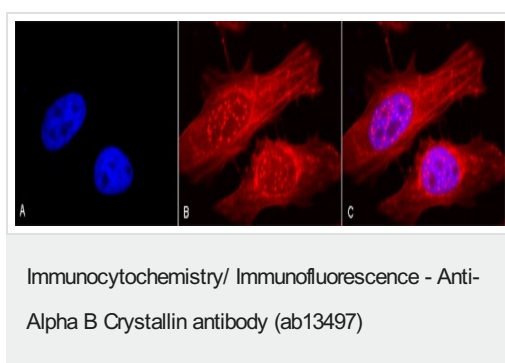
Lane 1: Molecular Weight Ladder (MW).

Lane 2: Rat Brain cell lysates.

Load: 15 µg. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Alpha B Crystallin Polyclonal Antibody (ab13497) at 1/1000 dilution for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1/1000 dilution for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~22 kDa.



Immunofluorescent analysis of 2% paraformaldehyde fixed Heat Shocked (at 42°C for 1h) Cervical cancer cell line (HeLa) for 20min at RT, labelling Alpha B Crystallin with ab13497 at 1/120 dilution for 12 hours at 4°C, followed by secondary antibody Goat Anti-Rabbit (FITC) (Green) at 1/200 dilution for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1/40000 dilution for 2 hours at RT. Image showing actin filament bundles, nuclear splicing speckles, and Exosome staining. (A) DAPI (blue) nuclear stain. (B) Anti-Alpha B Crystallin Antibody (green). (C) Composite image.



Immunofluorescent analysis of 2% paraformaldehyde fixed Heat Shocked (at 42°C for 1h) Cervical cancer cell line (HeLa) for 20min at RT, labelling Alpha B Crystallin with ab13497 at 1/120 dilution for 12 hours at 4°C, followed by secondary antibody Goat Anti-Rabbit (APC) (Red) at 1/200 dilution for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1/40000 dilution for 2 hours at RT. Image showing actin filament bundles, nuclear splicing speckles, and Exosome staining. (A) DAPI (blue) nuclear stain. (B) Anti-Alpha B Crystallin Antibody (Red). (C) Composite image.

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