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# CRYAB Rabbit pAb

货号: **AYP19232**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	<b>WB:</b> 1:500 - 1:2000
理论分子量	20kDa
实测分子量	20kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	U-87MG,293T,A-549,Mouse brain,Mouse heart,Mouse kidney,Mouse lung,Rat heart
细胞定位	Cytoplasm,Nucleus
纯化	Affinity purification

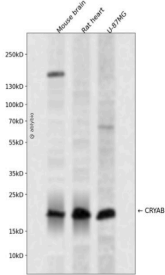
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-175 of human CRYAB (NP_001876.1).
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## 靶点信息

研究背景	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 distinct functions. Alpha-A and alpha-B gene products are differentially expressed; alpha-A is preferentially restricted to the lens and alpha-B is expressed widely in many tissues and organs. Elevated expression of alpha-B crystallin occurs in many neurological diseases; a missense mutation cosegregated in a family with a desmin-related myopathy. Alternative splicing results in multiple transcript variants.
基因ID	1410
基因名	CRYAB
Swiss	P02511 ( <a href="https://www.uniprot.org/uniprotkb/P02511/entry">https://www.uniprot.org/uniprotkb/P02511/entry</a> )
别名	CRYAB,CMD1II,CRYA2,CTPP2,CTRCT16,HEL-S-101,HSPB5,MFM2,CRYAB Rabbit pAb,Alpha(B)-crystallin,Heat shock protein beta-5,Heat shock protein family B member 5,Renal carcinoma antigen NY-REN-27,Rosenthal fiber component

## 产品验证



Western blot analysis of CRYAB expressed in Mouse brain,Rat heart,U-87MG using CRYAB Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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