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CRYAA Rabbit pAb

货号: AYP14935

产品信息

反应	Human,Mouse,Rat,Zebrafish
宿主	Rabbit
克隆性	Polyclonal
预测反应	**WB:** Zebrafish eye
应用	WB IF/ICC
推荐浓度	**WB:** 1:2000 - 1:6000 **IF/ICC:** 1:50 - 1:200
理论分子量	19kDa
实测分子量	19KDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HepG2
细胞定位	Cytoplasm,Nucleus
纯化	Affinity purification

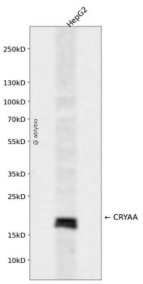
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-173 of human CRYAA (NP_000385.1).

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. Defects in this gene cause autosomal dominant congenital cataract (ADCC).
基因ID	1409
基因名	CRYAA
Swiss	P02489 (https://www.uniprot.org/uniprotkb/P02489/entry)
别名	CRYAA,CRYA1,CTRCT9,HSPB4,CRYAA Rabbit pAb,Heat shock protein beta-4,Heat shock protein family B member 4

产品验证



Western blot analysis of CRYAA expressed in HepG2 using CRYAA 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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