

兔抗 CRYAB 多克隆抗体

中文名称：兔抗 CRYAB 多克隆抗体

英文名称：Anti-CRYAB rabbit polyclonal antibody

别名：CRYA2; CTPP2; HSPB5; CMD1II

相关类别：一抗

储存：冷冻 (-20℃)

抗原：CRYAB

宿主：Rabbit

反应种属：Human, Mouse, Rat

标记物：Unconjugate

克隆类型：rabbit polyclonal

技术规格

Background:

Crystallins are separated into two classes: taxon-specific, or enzyme, and ubiquitous. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. Since lens central fiber cells lose their nuclei during development, these crystallins are made and then retained throughout life, making them extremely stable proteins. Mammalian lens crystallins are divided into alpha, beta, and gamma families; beta and gamma crystallins are also considered as a superfamily. Alpha and beta families are further divided into acidic and basic groups. Seven pr

	<p>otein regions exist in crystallins: four homologous motifs, a connecting peptide, and N- and C-terminal extensions. 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 (sHSP also known as the 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. 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.</p>
Applications:	ELISA, WB, IHC
Name of antibody:	CRYAB
Immunogen:	Fusion protein of human CRYAB
Full name:	crystallin, alpha B
Synonyms :	CRYA2; CTPP2; HSPB5; CMD1II
SwissProt:	P02511
ELISA Recommended dilution:	2000-5000
IHC positive control:	Human esophagus cancer
IHC Recommend dilution:	25-100
WB Predicted band size:	20 kDa
WB Positive control:	Mouse heart and human chromaffin cells tumor tissue, mouse muscle tissue
WB Recommended dilution:	500-2000

