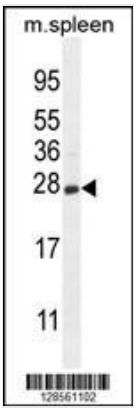
CRYGS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CRYGS, Polyclonal Antibody
Full Product Name	CRYGS, CT (CRYGS, GRYG8, Beta-crystallin S, Gamma-S-crystallin, Gamma-crystallin S)
Product Synonym Names	Anti -CRYGS, CT (CRYGS, GRYG8, Beta-crystallin S, Gamma-S-crystallin, Gamma-crystallin S)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human, mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	CRYGS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-166 amino acids from the C-terminal region of human CRYGS.
Product Categories/Family for anti-CRYGS antibody	Antibodies; Abs to Crystallins
Applications Tested/Suitable for anti-CRYGS antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-CRYGS antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-CRYGS antibody	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 protein regions exist in crystallins: four homologous motifs, a connecting peptide, and N- and C-terminal extensions. Gamma-crystallins are a homogeneous group of highly symmetrical, monomeric proteins typically lacking connecting peptides and terminal extensions. They are differentially regulated after early development. This gene encodes a protein initially considered to be a beta-crystallin but the encoded protein is monomeric and has greater sequence similarity to other gamma-crystallins. This gene encodes the most significant gamma-crystallin in adult eye lens tissue. Whether due to aging or mutations in specific genes, gamma-crystallins have been involved in cataract formation.
Other Notes	Small volumes of anti-CRYGS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CRYGS purchase	MBS6001919 is an antibody targeting CRYGS. Also known as CRYGS, CT (CRYGS, GRYG8, Beta-crystallin S, Gamma-S-crystallin, Gamma-crystallin S). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CRYGS antibody
CRYGS Antibody (C-term) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the CRYGS antibody detected the CRYGS protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRYGS. It may not necessarily be applicable to this product.

Protein Family	Beta-crystallin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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