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Datasheet for ABIN5003169 **anti-CRYGS antibody (Alexa Fluor 680)**

Overview

Quantity:	100 µL
Target:	CRYGS
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYGS antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human gamma crystallin S
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CRYGS
Alternative Name:	gamma crystallin S (CRYGS Products)
Background:	<p>Synonyms: rncat, AI327013, Beta-crystallin S, CRBS_HUMAN, CRYG8, crygs, Crystallin, gamma 8, Crystallin, gamma polypeptide 8, Crystallin, gamma S, Gamma crystallin S, Gamma S crystallin, Gamma-crystallin S, Gamma-S-crystallin, recessive nuclear cataract, Opj.</p> <p>Background: Crystallins are water soluble structural proteins found in the vertebrate eye.</p>

Target Details

Mammalian crystallins are classified in three forms, designated α , β and γ . Crystallins, as the principal components of the lens, function to increase the refractive index of the eye during accommodation by forming high-molecular weight aggregates which maintain transparency. γ -S-crystallin (Gamma-crystallin S), also known as Beta-crystallin S, is a 178 amino acid protein that exists as a monomer which does not aggregate. γ -S-crystallin contains a two-domain beta structure and belongs to the beta/gamma-crystallin gene family mapping to human chromosome 3. γ -S-crystallin has been linked to congenital cataract development, a disorder signified by increasing levels of lens opacity.

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 $\mu\text{g}/\mu\text{L}$

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months