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Datasheet for ABIN2782462 anti-CRYZ antibody (Middle Region)

Image



Overview

Quantity:	100 µL
Target:	CRYZ
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Pig, Dog, Zebrafish (Danio rerio), Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRYZ antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CRYZ	
Sequence:	KGIDIIIEML ANVNLSKDLS LLSHGGRVIV VGSRGTIEIN PRDTMAKESS	
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 86%, Horse: 79%, Human: 100%, Mouse: 86%, Pig: 93%, Rabbit: 85%, Rat: 86%, Zebrafish: 93%	
Characteristics:	This is a rabbit polyclonal antibody against CRYZ. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	
Target Details		
Target:	CRYZ	

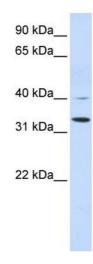
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Alternative Name:	CRYZ (CRYZ Products)
Background:	Crystallins are separated into two classes: taxon-specific, or enzyme, and ubiquitous. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. The former class is also called phylogenetically-restricted crystallins. CRYZ is a taxon-specific crystallin protein which has NADPH-dependent quinone reductase activity distinct from other known quinone reductases. It lacks alcohol dehydrogenase activity although by similarity it is considered a member of the zinc-containing alcohol dehydrogenase family. Unlike other mammalian species, in humans, lens expression is low.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. The former class is also called phylogenetically- restricted crystallins. This gene encodes a taxon-specific crystallin protein which has NADPH- dependent quinone reductase activity distinct from other known quinone reductases. It lacks alcohol dehydrogenase family. Unlike other mammalian species, in humans, lens expression is low. One pseudogene is known to exist. Alias Symbols: DKFZp779E0834, FLJ41475 Protein Interaction Partner: UBC, TXNRD1, TUBA4A, SPTAN1, PFKP, KRT17, GAPDH, TUBB, IGF2BP3, BASP1, CRYAA, Protein Size: 329
Molecular Weight:	35 kDa
Gene ID:	1429
NCBI Accession:	NM_001889, NP_001880
UniProt:	Q08257
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 329 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid

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Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blo	tting
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Image 1. WB Suggested Anti-CRYZ Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human Liver