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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 | |

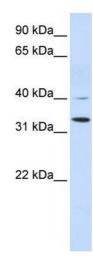
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| Alternative Name: | CRYZ (CRYZ Products) |
|---------------------|--|
| Background: | Crystallins are separated into two classes: taxon-specific, or enzyme, and ubiquitous. The latter class constitutes the major proteins of vertebrate eye lens and 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 |
|-------------|-------|
|-------------|-------|

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