

CRYZ Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21584b

Product Information

Application WB, E Primary Accession Q08257

Reactivity Human, Rat, Mouse

Host Rabbit
Clonality polyclonal
Isotype Rabbit IgG
Clone Names RB50134
Calculated MW 35207

Additional Information

Gene ID 1429

Other Names Quinone oxidoreductase, NADPH:quinone reductase, Zeta-crystallin, CRYZ

Target/Specificity This CRYZ antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 248-282 amino acids from the

C-terminal region of human CRYZ.

Dilution WB~~1:2000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions CRYZ Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Name CRYZ

Function Does not have alcohol dehydrogenase activity. Binds NADP and acts

through a one-electron transfer process. Orthoguinones, such as

1,2-naphthoquinone or 9,10-phenanthrenequinone, are the best substrates (in vitro). May act in the detoxification of xenobiotics. Interacts with (AU)-rich elements (ARE) in the 3'-UTR of target mRNA species. Enhances the stability of mRNA coding for BCL2. NADPH binding interferes with mRNA binding.

Cellular Location Cytoplasm.

Tissue Location Only very low amounts in the lens.

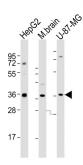
Background

Does not have alcohol dehydrogenase activity. Binds NADP and acts through a one-electron transfer process. Orthoquinones, such as 1,2-naphthoquinone or 9,10-phenanthrenequinone, are the best substrates (in vitro). May act in the detoxification of xenobiotics. Interacts with (AU)-rich elements (ARE) in the 3'-UTR of target mRNA species. Enhances the stability of mRNA coding for BCL2. NADPH binding interferes with mRNA binding.

References

Gonzalez P.,et al.Biochem. Biophys. Res. Commun. 191:902-907(1993). Gonzalez P.,et al.Genomics 21:317-324(1994). Ota T.,et al.Nat. Genet. 36:40-45(2004). Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases. Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Images



All lanes: Anti-CRYZ Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysates Lane 2: mouse brain lysates Lane 3: U-87-MG whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 35 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.