

### **CRYZ Antibody (C-term)**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21584b

## **Specification**

### **CRYZ Antibody (C-term) - Product Information**

Application WB,E
Primary Accession O08257

Reactivity Human, Mouse

Host Rabbit
Clonality polyclonal
Isotype Rabbit IgG
Calculated MW 35207

## CRYZ Antibody (C-term) - 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.

## **CRYZ Antibody (C-term) - Protein Information**

#### Name CRYZ

**Function** 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.

Cellular Location Cytoplasm.

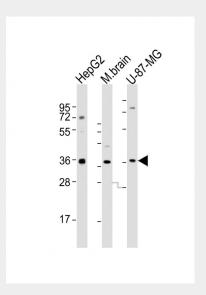
**Tissue Location**Only very low amounts in the lens.

## **CRYZ Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

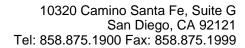
## CRYZ Antibody (C-term) - Images



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 lgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 35 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

# CRYZ Antibody (C-term) - 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.





# **CRYZ Antibody (C-term) - 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).