

Product datasheet for TA375126

CRYZ Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ICC/IF, WB

Recommended Dilution: WB,1:500 - 1:2000

IF,1:50 - 1:200

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-329 of

human CRYZ (NP_001123514.1).

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C. Avoid freeze / thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 20kDa/31kDa/35kDa

Gene Name: crystallin zeta

Database Link: Entrez Gene 1429 Human

Q08257



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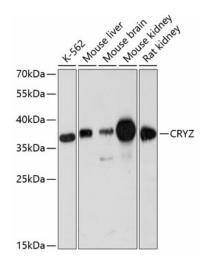
Background:

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. 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 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One pseudogene is known to exist.

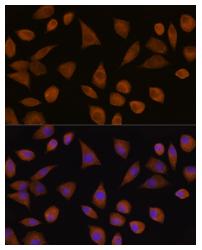
Synonyms:

DKFZp779E0834; FLJ41475; Zeta-crystallin

Product images:

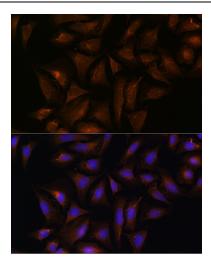


Western blot analysis of extracts of various cell lines, using CRYZ antibody (TA375126) at 1:3000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 30s.



Immunofluorescence analysis of L929 cells using CRYZ Rabbit pAb (TA375126) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.





Immunofluorescence analysis of U-2 OS cells using CRYZ Rabbit pAb (TA375126) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.