Best Tools for immunology Research

QOR rabbit pAb

Catalog No :	YT7195
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	QOR
Gene Name :	CRYZ
Protein Name :	QOR
Human Gene Id :	1429
Human Swiss Prot No :	Q08257
Mouse Gene Id :	12972
Mouse Swiss Prot No :	P47199
Rat Gene Id :	362061
Rat Swiss Prot No :	Q6AYT0
Immunogen :	Synthesized peptide derived from human QOR AA range: 275-325
Specificity :	This antibody detects endogenous levels of QOR at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 36kD

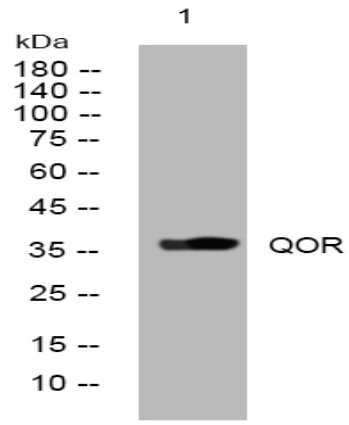
Background : Crystallins are separated into two classes: taxon-specific, or enzyme, and ubiquitous. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. The former class is also called phylogenetically-restricted crystallins. 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. [provided by RefSeq, Sep 2008],

Function : catalytic activity:NADPH + 2 quinone = NADP(+) + 2 semiquinone.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Does not have alcohol dehydrogenase activity. Binds NADP and acts through a one-electron transfer process. Orthoquinones are the best substrates. May act in the detoxification of xenobiotics.,similarity:Belongs to the zinc-containing alcohol dehydrogenase family. Quinone oxidoreductase subfamily.,subunit:Homotetramer.,tissue specificity:Only very low amounts in the lens.,

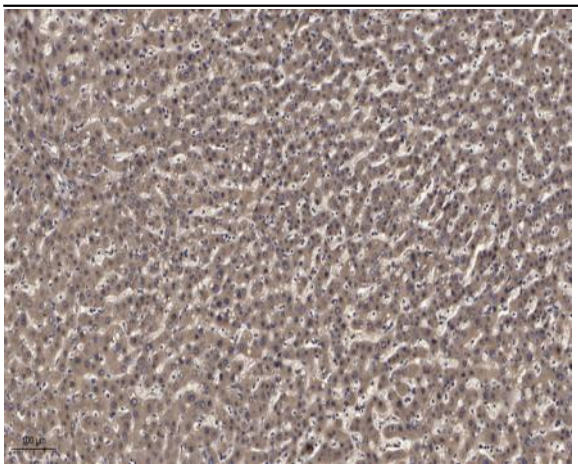
Subcellular Location : Cytoplasm .

Expression : Only very low amounts in the lens.

Products Images



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).