

ARG57843 anti-TXNRD2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TXNRD2
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TXNRD2
Species	Human
Immunogen	Recombinant protein of Human TXNRD2.
Conjugation	Un-conjugated
Alternate Names	TR-beta; Thioredoxin reductase 2, mitochondrial; EC 1.8.1.9; TR; Thioredoxin reductase TR3; SelZ; Selenoprotein Z; SELZ; TR3; TRXR2; TR-BETA

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	
Observed Size	~ 55 kDa	

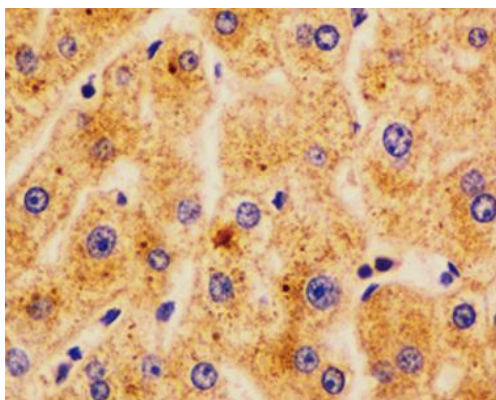
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

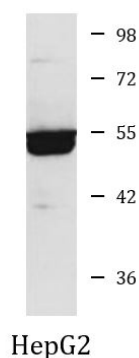
Gene Symbol	TXNRD2
Gene Full Name	thioredoxin reductase 2
Background	This gene encodes a member of the class I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein is a selenocysteine-containing flavoenzyme that maintains thioredoxins in a reduced state, thereby playing a key role in regulating the cellular redox environment. Mammals have three related thioredoxin reductases. This gene encodes a mitochondrial form important for scavenging of reactive oxygen species in mitochondria. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Sep 2013]
Function	Maintains thioredoxin in a reduced state. Implicated in the defenses against oxidative stress. May play a role in redox-regulated cell signaling. [UniProt]
Calculated Mw	57 kDa
Cellular Localization	Mitochondrion. [UniProt]

Images



ARG57843 anti-TXNRD2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver injury stained with ARG57843 anti-TXNRD2 antibody at 1:100 dilution.



ARG57843 anti-TXNRD2 antibody WB image

Western blot: 25 µg of HepG2 cell lysate stained with ARG57843 anti-TXNRD2 antibody at 1:1000 dilution.