

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.

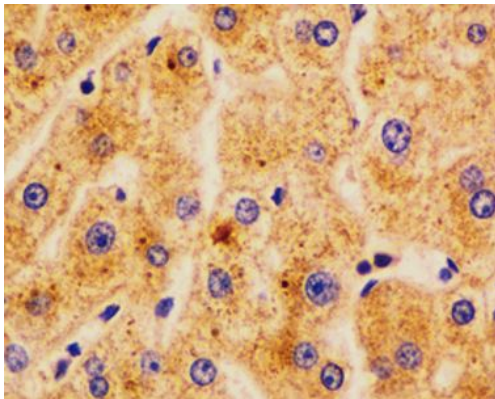
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

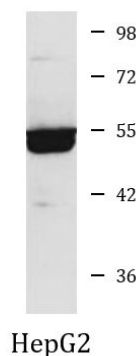
Gene Symbol	TXNRD2
Gene Full Name	thioredoxin reductase 2
Background	This gene encodes a member of the class I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein is a selenocysteine-containing flavoenzyme that maintains thioredoxins in a reduced state, thereby playing a key role 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.