

ARG58129 anti-TXNRD2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TXNRD2
Tested Reactivity	Hu, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TXNRD2
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human TXNRD2. (RHGQEHVEVYHAHYKPL)
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
	IHC-P	0.5 - 1 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

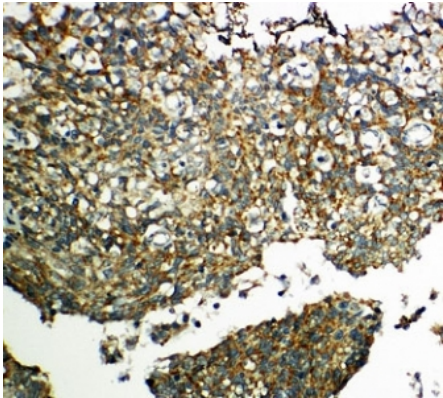
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

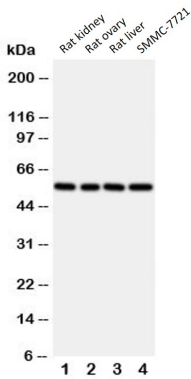
Gene Symbol	TXNRD2
Gene Full Name	thioredoxin reductase 2
Background	This gene encodes a member of the class I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein is a selenocysteine-containing flavoenzyme that maintains thioredoxins in a reduced state, thereby playing a key role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

Images



ARG58129 anti-TXNRD2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG58129 anti-TXNRD2 antibody.



ARG58129 anti-TXNRD2 antibody WB image

Western blot: Rat kidney, Rat ovary, Rat liver and SMMC-7721 cell lysates stained with ARG58129 anti-TXNRD2 antibody.