TXNRD1 Rabbit pAb

db23031 **Package : 20μL 50μL 100μL**

Product Name : TXNRD1 Rabbit pAb
Cat.No.: db23031
Synonyms : TR; TR1; TXNR; TRXR1; GRIM-12
Application : WB, IHC
Reactivity : Human
Host species : Rabbit

Background	The protein encoded by this gene belongs to the pyridine nucleotide-disulfide oxidoreductase family, and is a member of the thioredoxin (Trx) system. Three thioredoxin reductase (TrxR) isozymes are found in mammals. TrxRs are selenocysteine-containing flavoenzymes, which reduce thioredoxins, as well as other substrates, and play a key role in redox homoeostasis. This gene encodes an ubiquitously expressed, cytosolic form of TrxR, which functions as a homodimer containing FAD, and selenocysteine (Sec) at the active site. Sec is encoded by UGA codon that normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, the Sec insertion sequence (SECIS) element, which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternative splicing, primarily at the 5' end, results in transcript variants encoding same or different isoforms, including a glutaredoxin-containing isoform that is predominantly expressed in testis. [provided by RefSeq, May 2017]
Immunogen	A synthetic peptide of human TXNRD1
Gene ID	7296
Swiss Prot	Q16881
Synonyms	TR; TR1; TXNR; TRXR1; GRIM-12
Reactivity	Human
Application	WB, IHC
Recommended dilution	WB: 1:1000 IHC: 1:20
Calculated MW	67 kDa
Observed MW	55 kDa
Host species	Rabbit

Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.