

## 小鼠抗 TXNRD1 单克隆抗体

中文名称：小鼠抗 TXNRD1 单克隆抗体

英文名称：Anti-TXNRD1 mouse monoclonal antibody

别名：thioredoxin reductase 1; TR; TR1; TXNR; TRXR1; GRIM-12

相关类别：一抗

储存：冷冻（-20℃）

宿主：Mouse

抗原：TXNRD1

反应种属：Human, Rat, Mouse

标记物：Unconjugate

克隆类型：mouse monoclonal

### 技术规格

**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 homeostasis. 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.
<b>Applications:</b>	WB
<b>Name of antibody:</b>	TXNRD1
<b>Immunogen:</b>	Fusion protein of human TXNRD1
<b>Full name:</b>	thioredoxin reductase 1
<b>Synonyms:</b>	TR; TR1; TXNR; TRXR1; GRIM-12
<b>SwissProt:</b>	Q16881
<b>WB Predicted band size:</b>	71 KD
<b>WB Positive control:</b>	NIH/3T3, RAW264.7, Hela cell, Mouse liver tissue, Rat liver tissue lysates
<b>WB Recommended dilution:</b>	500-2000