

小鼠抗 TXNRD2 单克隆抗体

- 中文名称： 小鼠抗 TXNRD2 单克隆抗体
- 英文名称： Anti-TXNRD2 mouse monoclonal antibody
- 别名： thioredoxin reductase 2; TR; TR3; SELZ; TRXR2; TR-BETA
- 相关类别： 一抗
- 储存： 冷冻（-20℃）
- 宿主： Mouse
- 抗原： TXNRD2
- 反应种属： Human
- 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 a mitochondrial form important for scavenging reactive oxygen species in mitochondria. It 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

	y for the recognition of UGA as a Sec codon rather than as a stop signal. Alternatively spliced transcript variants encoding different isoforms, including a few localized in the cytosol and some lacking the C-terminal Sec residue, have been found for this gene.
Applications:	WB
Name of antibody:	TXNRD2
Immunogen:	Fusion protein of human TXNRD2
Full name:	thioredoxin reductase 2
Synonyms:	TR; TR3; SELZ; TRXR2; TR-BETA
SwissProt:	Q9NNW7
WB Predicted band size:	57 kDa
WB Positive control:	A431, U251, U2OS, Lncap and Hela cell lysates
WB Recommended dilution:	1000-5000

