TXNRD1 polyclonal antibody

Catalog # PAB19881 Size 150 ug

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant TXNRD1.
Immunogen	Recombinant protein corresponding to human TXNRD1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.5 (0.02% sodium azide, 50% glycerol (v/v))
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme Immunoassay

Gene Info — TXNRD1

Entrez GeneID	7296
Gene Name	TXNRD1
Gene Alias	GRIM-12, MGC9145, TR, TR1, TRXR1, TXNR

Gene Description	thioredoxin reductase 1
Omim ID	601112
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the family of pyridine nucleotide oxidoreductases. This protein reduces thioredoxins as well as other substrates, and plays a role in selenium metabolism and protection against oxidative stress. The functional enzyme is thought to be a homodimer which uses FAD as a cofactor. Each subunit contains a selenocysteine (Sec) residue which is required for catalytic activity. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenocysteine-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternative splicing results in several transcript variants encoding the same or different isoforms. [provided by RefSeq
Other Designations	KM-102-derived reductase-like factor|oxidoreductase|thioredoxin reductase GRIM-12

Pathway

- Pyrimidine metabolism

Disease

- Adenoma
- Alzheimer disease
- Amyotrophic lateral sclerosis
- Arsenic Poisoning
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cognition
- Colorectal Neoplasms
- DNA Damage
- Genetic Predisposition to Disease
- Ovarian cancer