



Rabbit Anti-Human TXNRD2 polyclonal antibody (DCABH-6825)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|------------------------------|--|
| Specificity | This antibody may react with (Predicted by homology) : Bovine, Mouse, Rabbit, Rat |
| Target | TXNRD2 |
| Immunogen | Synthetic peptide derived from C-terminus of human TrxR2. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Immunoaffinity purified |
| Conjugate | Unconjugated |
| Applications | IHC-P |
| Molecular Weight | 53 kDa |
| Cellular Localization | Cytoplasm |
| Positive Control | Liver Carcinoma |
| Format | Liquid |
| Buffer | PBS, 1% BSA, pH 7.6 |
| Preservative | < 0.1% Sodium Azide |
| Storage | 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly |

stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

BACKGROUND

Introduction

The reduced form of thioredoxin serves as a hydrogen donor, contributes to the up-regulation of various transcription factors and binds to and inhibits MAPKKK activity. Oxidized thioredoxin is converted back to the reduced form by Thioredoxin Reductase (TrxR2) , a redox active enzyme. There are two distinct isoforms in mammalian cells, TrxR1, a cytosolic protein and TrxR2, almost exclusively a mitochondrial protein. TrxR expression is induced in several tumors.

Keywords

TXNRD2;thioredoxin reductase 2;thioredoxin reductase 2, mitochondrial;selenoprotein Z;thioredoxin reductase beta;TR;TR3;TRXR2;thioredoxin reductase 3;thioredoxin reductase TR3;SELZ;TR-BETA

GENE INFORMATION

Entrez Gene ID

[10587](#)

UniProt ID

[Q9NNW7](#)
