TRX Tag Polyclonal Antibody

Catalog No. E-AB-40551

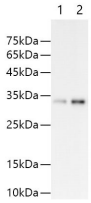
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	All
Immunogen	Recombinant human Trx protein
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide,1% protective protein and 50% glycerol,pH7.4

Applications	Recommended Dilution
WB	1:5000-10000

Data



Western blot of Trx protein with anti-Trx polyclonal antibody at dilution of 1:5000. Lane 1 : Recombinant Trx protein at 6.25ng; Lane 2 : Recombinant Trx protein at 12.5ng
Observed Mw:33kDa
Calculated Mw:33kDa

Preparation & Storage

Storage Store at -20℃. Avoid freeze / thaw cycles.

Background

Thioredoxins (Trx) are small, multi-functional proteins with oxidoreductase activity and are ubiquitous in essentially all living cells. Trx contains a redox-active disulfide/dithiol group within the conserved Cys-Gly-Pro-Cys active site. The two cysteine residues in the conserved active centers can be oxidized to form intramolecular disulfide bonds. A pair of cysteines within a highly conserved, active site sequence can be oxidized to form a disulfide bond that is then reduced by thioredoxin reductase. Multiple forms of thioredoxin have been identified, including cytosolic thioredoxin 1 (TRX1) and mitochondrial thioredoxin 2 (TRX2). Thioredoxin participates in many cellular processes including redox signaling, response to oxidative stress, and protein reduction.

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