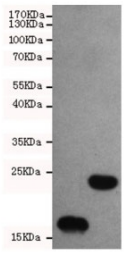
TRX Antibody / TXN / Thioredoxin [clone 3C1-H10] (F54050)

Catalog No.	Formulation	Size
F54050-0.1ML	In PBS with 50% glycerol and 0.03% ProClin 300	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	NA
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	3C1-H10
Purity	Protein G affinity
UniProt	P10599
Applications	Western blot: 1:1000
Limitations	This TRX antibody is available for research use only.



Western blot testing of bacterial lysates containing TRX-tagged proteins of different MWs using TRX antibody at 1:1000.

Description

Thioredoxin is a class of small redox proteins known to be present in all organisms. It plays a role in many important biological processes, including redox signaling. In humans, it is encoded by the TXN gene. Loss-of-function mutation of either of the two human thioredoxin genes is lethal at the four-cell stage of the developing embryo. Although not entirely understood, thioredoxin plays a central role in humans and is increasingly linked to medicine through their response to reactive oxygen species (ROS). In plants, thioredoxins regulate a spectrum of critical functions, ranging from photosynthesis to growth, flowering and the development and germination of seeds. It has also recently been found to play a role in cell-to-cell communication.

Solubilization tags are used, especially for recombinant proteins expressed in chaperone-deficient species such as E. coli, to assist in the proper folding in proteins and keep them from precipitating. These include thioredoxin (TRX) and poly(NANP). [Wiki]

Application Notes

The stated application concentrations are suggested starting points. Titration of the TRX antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A recombinant protein was used as the immunogen for this TRX antibody.

Storage

Store the TRX antibody at -20oC.

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