

Mouse anti Trx-Tag mAb

Catalog No.: AE023 **1 Publications**

Basic Information

Observed MW

Refer to Figures

Calculated MW

Category

Tag antibody

Applications

ELISA, WB

Cross-Reactivity

Species independent

CloneNo number

AMC0511

Background

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, thioredoxins are encoded by TXN and TXN2 genes. 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.

Recommended Dilutions

WB 1:2000 - 1:5000

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Recombinant protein of Trx tag

Synonyms

TRX; TRX tag; TRX-tag

Contact

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Product Information

Source

Mouse

Isotype

IgG1

Purification

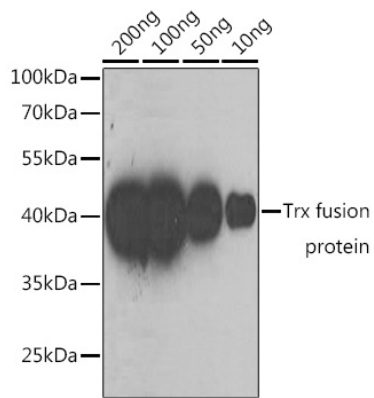
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of over-expressed Trx fusion protein using Trx-tag antibody (AE023) at 1:5000 dilution.

Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Blocking buffer: 3% nonfat dry milk in TBST.