

# Mouse anti Trx-Tag mAb

Catalog No.: AE023

## Basic Information

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### Observed MW

Refer to Figures

### Calculated MW

### Category

Tag antibody

### Applications

WB

### Cross-Reactivity

### CloneNo number

AMC0511

## Background

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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

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WB 1:2000 - 1:5000

## Immunogen Information

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### Gene ID

### Swiss Prot

### Immunogen

Recombinant protein of Trx tag

### Synonyms

TRX;TRX tag;TRX-tag

## Contact

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 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

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### Source

Mouse

### Isotype

IgG1

### Purification

Affinity purification

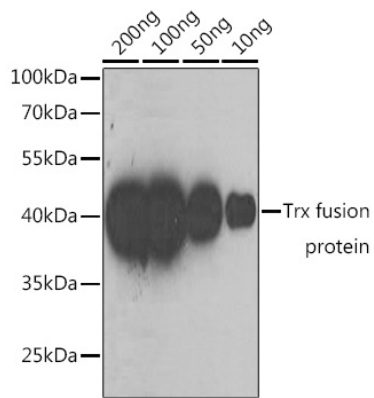
### Storage

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

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

## Validation Data

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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.