

## Thioredoxin 2 (Trx2/TXN2) Monoclonal Antibody

**CAB4424**

### Description

---

This Thioredoxin 2 (Trx2/TXN2) Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

---

**SKU:** CAB4424

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Monoclonal Antibody

**Synonyms:** TXN, MTRX, TRX2, MT-TRX, COXPD29, Thioredoxin 2 (Trx2/TXN2)

**Clone:** ARC1003

**Applications:**   

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat

### Antibody Data

---

**Gene ID:** 25828

**Uniprot:** AB\_2863272

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 13kDa

**Calculated MW:** 18kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

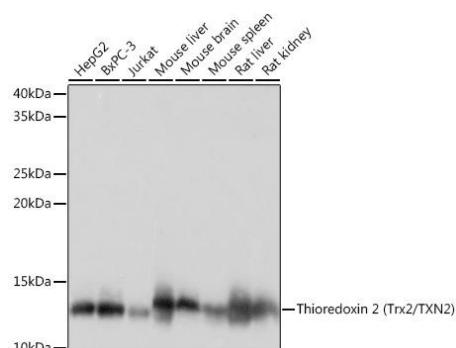
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HepG2, BxPC-3, Jurkat, Mouse liver, Mouse brain, Mouse spleen, Rat liver, Rat kidney

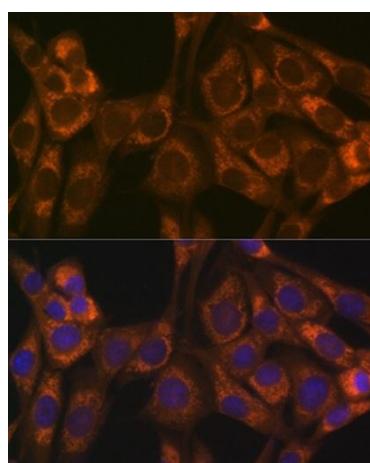
|                               |               |   |
|-------------------------------|---------------|---|
| <b>Recommended Dilutions:</b> | <b>WB</b>     | 1:500 - 1:2000  |
|                               | <b>IF/ICC</b> | 1:50 - 1:200  |
|                               | <b>ELISA</b>  | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of various lysates using Thioredoxin 2 (Trx2/TXN2) Rabbit mAb (CAB4424) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Immunofluorescence analysis of NIH-3T3 cells using Thioredoxin 2 (Trx2/TXN2) Rabbit mAb (CAB4424) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.