

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: | WB IF/ICC ELISA |
| Conjugation: | Unconjugated |
| Reactivity: | Human, Mouse, Rat |

Antibody Data

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|-----------------------|-----------------------|
| 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.

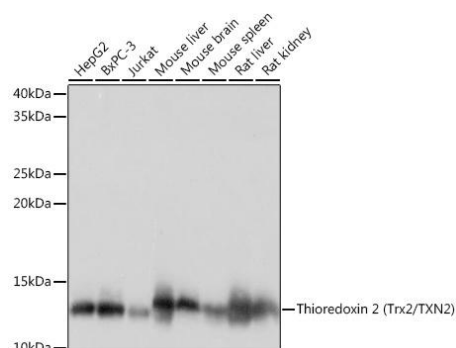
Store Bradford Reagent at Room Temperature for 1 Year.

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

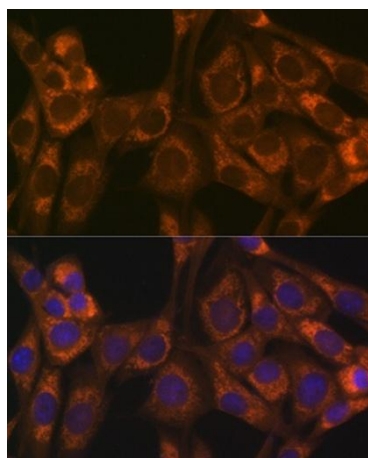
| | | |
|-------------------------------|---------------|---|
| Recommended Dilutions: | WB | 1:500 - 1:2000 |
| | IF/ICC | 1:50 - 1:200 |
| | ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

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/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/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.