

## **Anti-Thioredoxin 2 Antibody**

Rabbit polyclonal antibody to Thioredoxin 2 Catalog # AP61407

## **Specification**

## **Anti-Thioredoxin 2 Antibody - Product Information**

Application WB
Primary Accession Q99757
Other Accession P97493

Reactivity Human, Mouse, Rat, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 18383

# **Anti-Thioredoxin 2 Antibody - Additional Information**

**Gene ID 25828** 

#### **Other Names**

TRX2; Thioredoxin mitochondrial; MTRX; Mt-Trx; Thioredoxin-2

### Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Thioredoxin 2. The exact sequence is proprietary.

#### **Dilution**

WB~~WB (1/500 - 1/1000)

#### **Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C. Stable for 12 months from date of receipt

# Anti-Thioredoxin 2 Antibody - Protein Information

Name TXN2

**Synonyms TRX2** 

# **Function**

Important for the control of mitochondrial reactive oxygen species homeostasis, apoptosis regulation and cell viability (PubMed:<a href="http://www.uniprot.org/citations/12032145" target="\_blank">12032145</a>, PubMed:<a href="http://www.uniprot.org/citations/12080052" target="\_blank">12080052</a>, PubMed:<a href="http://www.uniprot.org/citations/26626369" target="\_blank">26626369</a>) Is involved in various redox reactions including the reduction of protein disulfide bonds, through the reversible oxidation of its active center dithiol to a disulfide



(By similarity).

# **Cellular Location**Mitochondrion

## **Tissue Location**

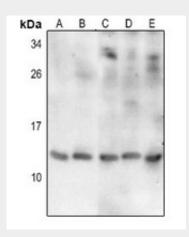
Widely expressed in adult (at protein level) and fetal tissues.

# **Anti-Thioredoxin 2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Anti-Thioredoxin 2 Antibody - Images



Western blot analysis of Thioredoxin 2 expression in HEK293T (A), Hela (B), mouse liver (C), rat lung (D), rat liver (E) whole cell lysates.

## Anti-Thioredoxin 2 Antibody - Background

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