

## TXN Antibody

Catalog No: #31296

Package Size: #31296-1 50ul #31296-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	TXN Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	E WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total TXN protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 90-105 amino acids of human thioredoxin
Target Name	TXN
Other Names	Thioredoxin, TRX; TRDX; TRX1
Accession No.	Genbank No.: NP_003320
Formulation	Supplied at 1.2mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

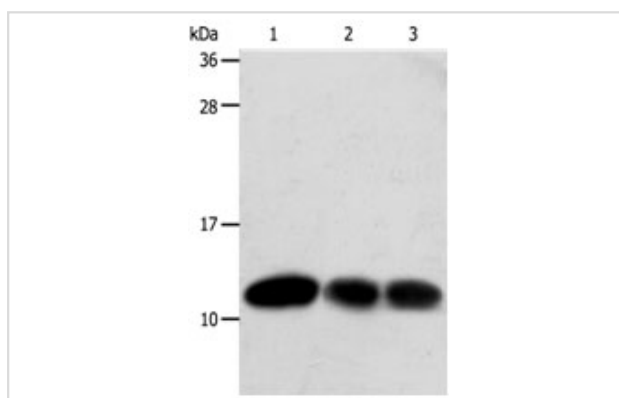
Predicted MW: 12kd

ELISA: 1:2000-1:10000

Western blotting: 1:1000-1:5000

Immunohistochemistry: 1:50-1:200

## Images



Gel: 12%SDS-PAGE

Lane1: HeLa cell tissue lysate

Lane2: MCF7 cell tissue lysate

Lane3: Human liver cancer tissue lysate

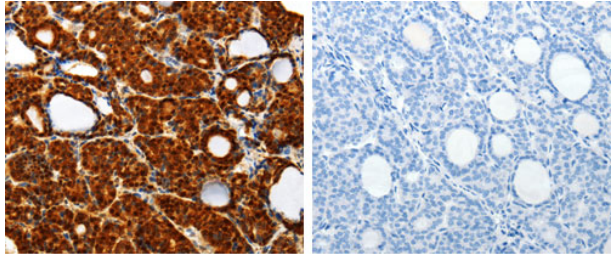
Lysates: 40 ug per lane

Primary antibody: 1/600 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at

1/10000 dilution

Exposure time: 20 seconds



The image on the left is immunohistochemistry of paraffin-embedded human thyroid cancer tissue using 31296 (TXN Antibody) at dilution 1/40, on the right is treated with the synthetic peptide.

## Background

The protein encoded by this gene acts as a homodimer and is involved in many redox reactions. The encoded protein is active in the reversible S-nitrosylation of cysteines in certain proteins, which is part of the response to intracellular nitric oxide. This protein is found in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene. Plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.