Anti-TXN antibody

Cat. No.	ml161173
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-TXN rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human TXN
Reactivity	Human, Rat
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

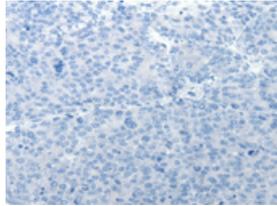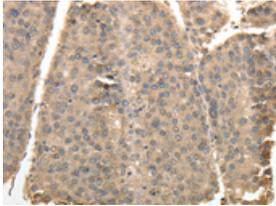|	
Symbol	TXN
Full name	Thioredoxin
Synonyms	TRX; TRDX; TRX1
Swissprot	P10599

Target 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.

Applications

Immunohistochemistry
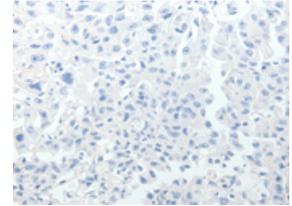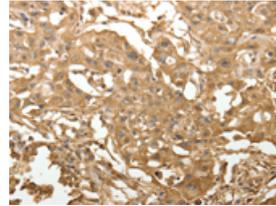
Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 50-200

Predicted cell location: Cytoplasm

Positive control: Human lung cancer

Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml161173(TXN Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml161173(TXN Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:12 kDa

Positive control:Hela cells and human liver cancer tissue
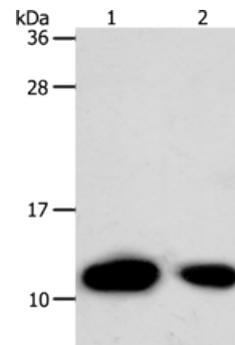
Recommended dilution: 1000-5000

Gel: 12%SDS-PAGE

Lysate: 40 µg

Lane 1-2: Hela cells, human liver cancer tissue

Primary antibody: ml161173(TXN Antibody) at dilution 1/700

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 20 seconds

ELISA

Recommended dilution: 2000-10000

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