

Product datasheet for **TA322865**

TXN Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Hela and MCF7 cells, human liver cancer tissue IHC: 50-200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm, Nucleus
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 90-105 amino acids of human thioredoxin
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	12 kDa
Gene Name:	thioredoxin
Database Link:	NP_003320 Entrez Gene 7295 Human P10599



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Background:

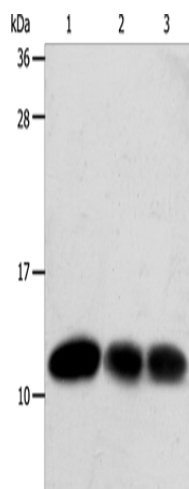
The protein encoded by this gene acts as a homodimer and is involved in many redox reactions. The encoded protein is active in the reversible S-nitrosylation of cysteines in certain proteins; which is part of the response to intracellular nitric oxide. This protein is found in the cytoplasm. Two transcript 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.

Synonyms:

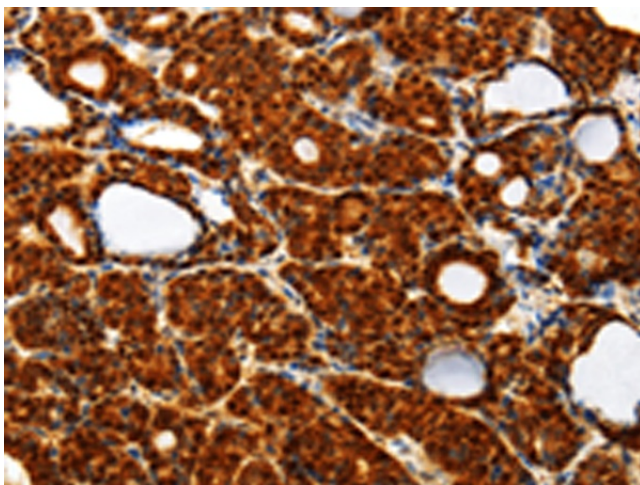
TRDX; TRX; TRX1

Protein Families:

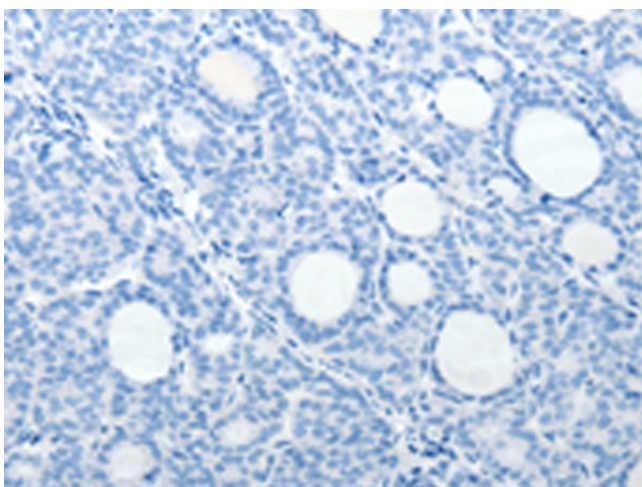
Druggable Genome

Product images:

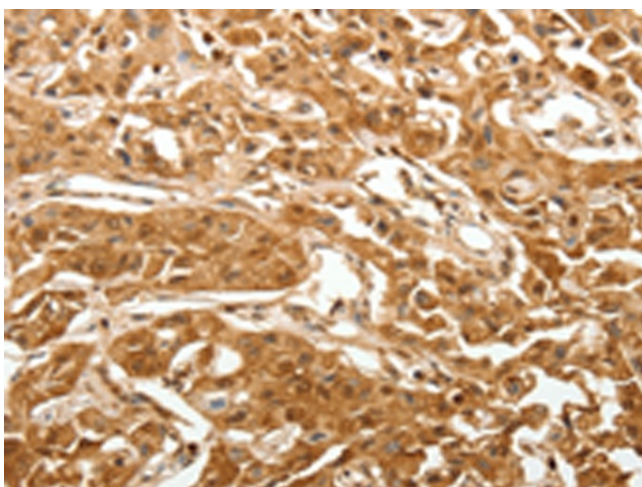
Gel: 12%SDS-PAGE
Lysate: 40 µg
Lane 1-3: HeLa cells
MCF7 cells
human liver cancer tissue
Primary antibody: TA322865 (TXN Antibody) at dilution 1/600
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 20 seconds



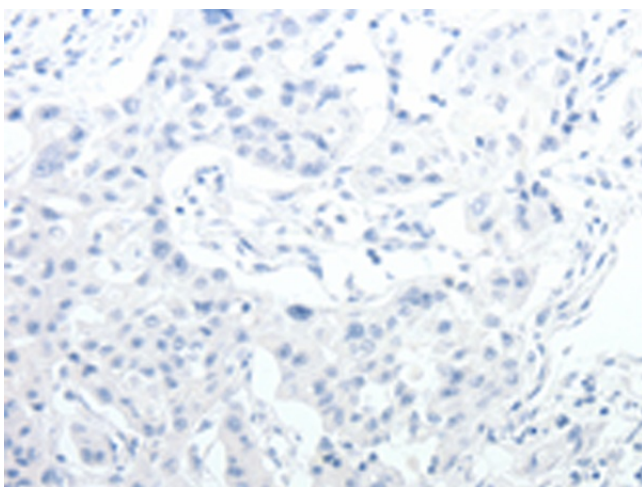
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322865 (TXN Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322865 (TXN Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA322865 (TXN Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA322865 (TXN Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)