

Product Datasheet

Thioredoxin-1 Antibody - BSA Free NBP2-48873

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-48873

Thioredoxin-1 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

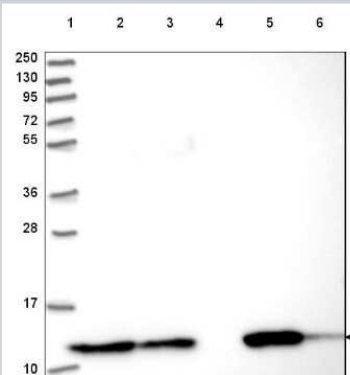
Host	Rabbit
Gene ID	7295
Gene Symbol	TXN
Species	Human
Reactivity Notes	Mouse (88%), Rat (88%)
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: SLSEKYSNVIFLEVVDVDDCQDVASECEVKCMPTFQFFKKGQKVGFEFSGA

Product Application Details

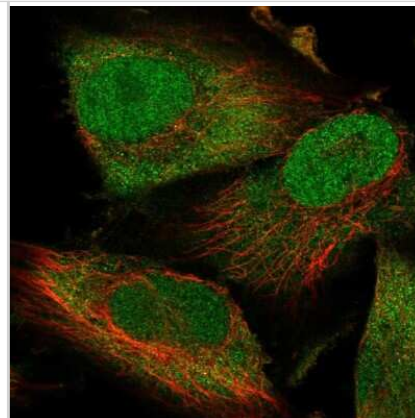
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

Images

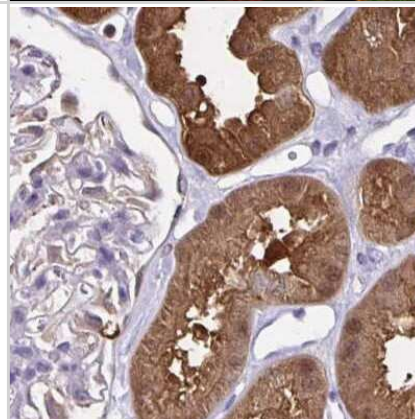
Western Blot: Thioredoxin Antibody [NBP2-48873] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10
 Lane 2: Human cell line RT-4
 Lane 3: Human cell line U-251 MG
 Lane 4: Human plasma
 Lane 5: Human Liver tissue
 Lane 6: Human Tonsil tissue



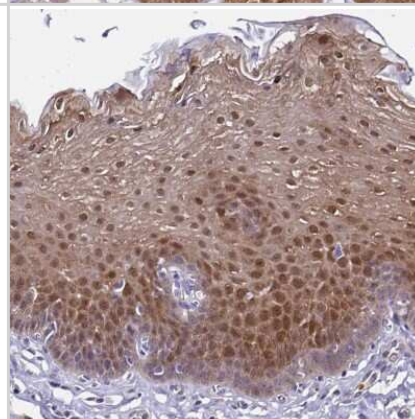
Immunocytochemistry/Immunofluorescence: Thioredoxin Antibody [NBP2-48873] - Staining of human cell line U-251 MG shows localization to nucleus and cytosol. Antibody staining is shown in green.



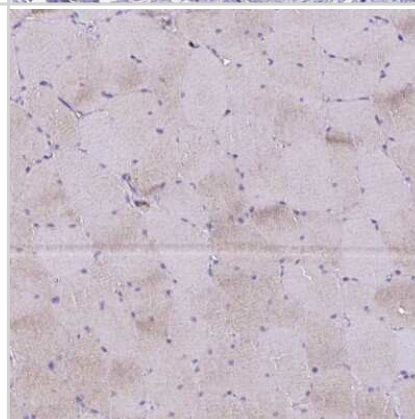
Immunohistochemistry-Paraffin: Thioredoxin Antibody [NBP2-48873] - Staining of human kidney.



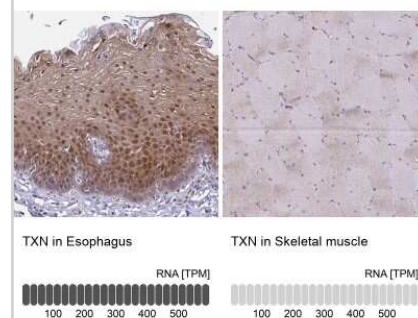
Immunohistochemistry-Paraffin: Thioredoxin Antibody [NBP2-48873] - Staining of human esophagus shows high expression.



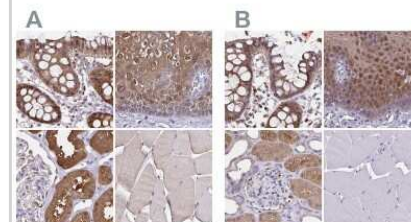
Immunohistochemistry-Paraffin: Thioredoxin Antibody [NBP2-48873] - Staining of human skeletal muscle shows low expression as expected.



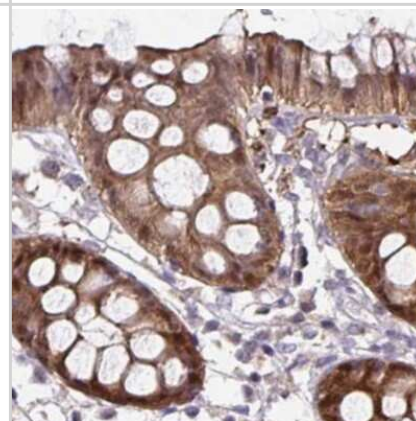
Immunohistochemistry-Paraffin: Thioredoxin Antibody [NBP2-48873] - Staining in human esophagus and skeletal muscle tissues using anti-TXN antibody. Corresponding TXN RNA-seq data are presented for the same tissues.



Immunohistochemistry-Paraffin: Thioredoxin Antibody [NBP2-48873] - Staining of human colon, esophagus, kidney and skeletal muscle using Anti-TXN antibody NBP2-48873 (A) shows similar protein distribution across tissues to independent antibody NBP2-49191 (B).



Immunohistochemistry-Paraffin: Thioredoxin Antibody [NBP2-48873] - Staining of human colon.



Publications

Souter P, Vaughan J, Butcher K, Dowle A et Al. Identification of mesenchymal stromal cell survival responses to antimicrobial silver ion concentrations released from orthopaedic implants Sci Rep 2020-11-04 [PMID: 33144664]



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Products Related to NBP2-48873

NBP2-48873PEP	Thioredoxin-1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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