

Product Datasheet

Thioredoxin-1 Antibody (2A7) - Azide and BSA Free H00007295-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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H00007295-M01

Thioredoxin-1 Antibody (2A7) - Azide and BSA Free

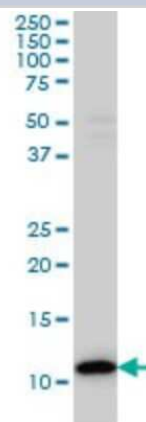
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2A7
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	7295
Gene Symbol	TXN
Species	Human
Specificity/Sensitivity	TXN - thioredoxin
Immunogen	TXN (AAH03377, 1 a.a. ~ 105 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MVKQIESKTAFQEALDAAGDKLVVDFSATWCGPCKMIKPPFHSLSEKYSNVIF LEVDVDDCQDVASECEVKCMPTFQFFKKGQKVGESGANKEKLEATINELV
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

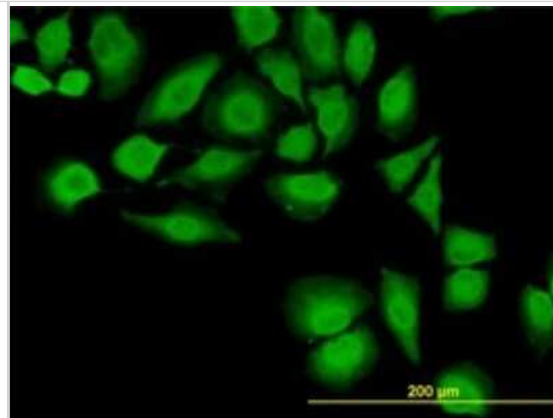
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA.

Images

Western Blot: Thioredoxin Antibody (2A7) [H00007295-M01] - TXN monoclonal antibody (M01), clone 2A7 Analysis of TXN expression in HeLa.



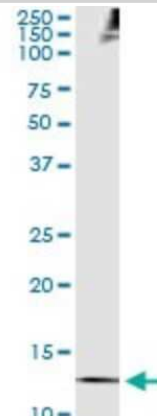
Immunocytochemistry/Immunofluorescence: Thioredoxin Antibody (2A7) [H00007295-M01] - Analysis of monoclonal antibody to TXN on HeLa cell. Antibody concentration 10 ug/ml.



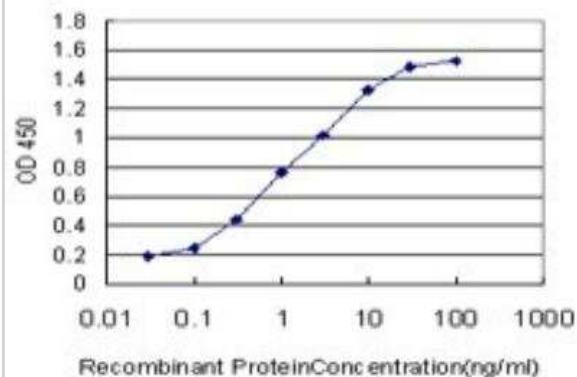
Western Blot: Thioredoxin Antibody (2A7) [H00007295-M01] - Analysis of TXN expression in transfected 293T cell line by TXN monoclonal antibody (M01), clone 2A7. Lane 1: TXN transfected lysate(11.7 KDa). Lane 2: Non-transfected lysate.



Immunoprecipitation: Thioredoxin Antibody (2A7) [H00007295-M01] - Analysis of TXN transfected lysate using anti-TXN monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with TXN MaxPab rabbit polyclonal antibody.



ELISA: Thioredoxin Antibody (2A7) [H00007295-M01] - Detection limit for recombinant GST tagged TXN is approximately 0.03ng/ml as a capture antibody.



Publications

Romanello KS, Teixeira KKL, Silva JPMO et al. Global analysis of erythroid cells redox status reveals the involvement of Prdx1 and Prdx2 in the severity of beta thalassemia. PLoS One 2018-12-06 [PMID: 30521599]

Ciamporcero E, Daga M, Pizzimenti S et al. Crosstalk between Nrf2 and YAP contributes to maintaining the antioxidant potential and chemoresistance in bladder cancer. Free Radic. Biol. Med. 2017-12-14 [PMID: 29248722] (Human)

Ahrens TD, Timme S, Ostendorp J et al. Response of esophageal cancer cells to epigenetic inhibitors is mediated via altered thioredoxin activity. Lab Invest 2016-03-01 [PMID: 26692290]





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Products Related to H00007295-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-44476	Recombinant E. coli Thioredoxin-1 His Protein

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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