

KD-Validated Anti-TXNDC5 Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI1115

Specification

KD-Validated Anti-TXNDC5 Mouse Monoclonal Antibody - Product Information

Application	WB, FC
Primary Accession	Q8NBS9
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	Predicted, 48 kDa, observed, 48 kDa KDa
Gene Name	TXNDC5
Aliases	TXNDC5; Thioredoxin Domain Containing 5; ERp46; EndoPDI; PDIA15; Hcc-2; Protein Disulfide Isomerase Family A, Member 15; Endoplasmic Reticulum Resident Protein 46; Thioredoxin Domain-Containing Protein 5; Thioredoxin-Like Protein P46; ER Protein 46; FLJ21353; FLJ90810; MGC3178; Thioredoxin Domain Containing 5 (Endoplasmic Reticulum); Epididymis Secretory Sperm Binding Protein; Endothelial Protein Disulphide Isomerase; Endoplasmic Reticulum Protein ERp46; Thioredoxin Related Protein; EC 1.8.4.-; EC 5.3.4.1; UNQ364; STRF8; TLP46; HCC2 Recombinant protein of human TXNDC5
Immunogen	Recombinant protein of human TXNDC5

KD-Validated Anti-TXNDC5 Mouse Monoclonal Antibody - Additional Information

Gene ID **81567**

Other Names

Thioredoxin domain-containing protein 5, Thioredoxin-like protein p46, TXNDC5 (HGNC:21073), TLP46

KD-Validated Anti-TXNDC5 Mouse Monoclonal Antibody - Protein Information

Name TXNDC5 ([HGNC:21073](#))

Synonyms TLP46

Function

Protein disulfide isomerase of the endoplasmic reticulum lumen involved in the formation of disulfide bonds in proteins. Can reduce insulin disulfide bonds.

Cellular Location

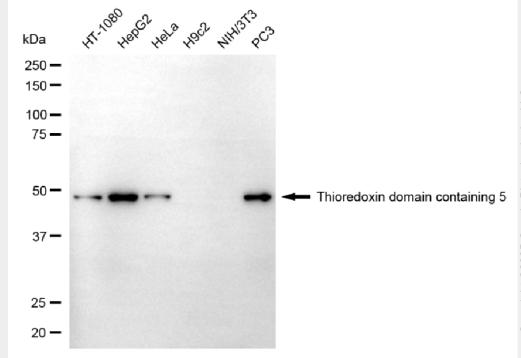
Endoplasmic reticulum lumen {ECO:0000250|UniProtKB:Q91W90, ECO:0000255|PROSITE-ProRule:PRU10138}

KD-Validated Anti-TXNDC5 Mouse Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

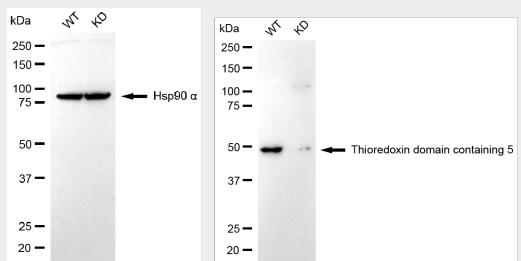
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-TXNDC5 Mouse Monoclonal Antibody - Images



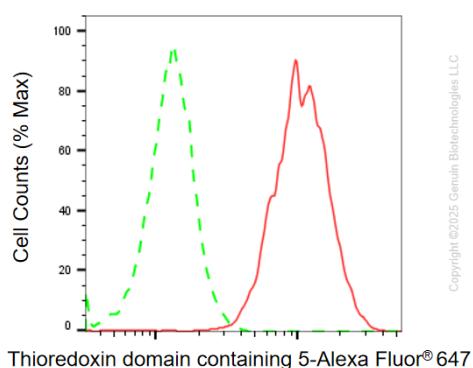
Copyright ©2025 Genlum Biotechnologies LLC

Western blotting analysis using anti-thioredoxin domain containing 5 antibody (Cat#AGI1115). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-thioredoxin domain containing 5 antibody (Cat#AGI1115, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Copyright ©2025 Genlum Biotechnologies LLC

Western blotting analysis using anti-thioredoxin domain containing 5 antibody (Cat#AGI1115). Thioredoxin domain containing 5 expression in wild type (WT) and thioredoxin domain containing 5 (TXNDC5) knockdown (KD) HSHC cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-thioredoxin domain containing 5 antibody (Cat#AGI1115, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Copyright ©2025 Genmab Biotechnologies LLC

Flow cytometric analysis of Thioredoxin domain containing 5 expression in HT-1080 cells using anti-Thioredoxin domain containing 5 antibody (Cat# AGI1115, 1:2,000). Green, isotype control; red, Thioredoxin domain containing 5.