

ARG63498 anti-TXNDC5 / EndoPDI antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes TXNDC5 / EndoPDI
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	This antibody is expected to be able to recognise both reported human isoforms, as represented by NP_110437.2; NP_001139021.1.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TXNDC5 / EndoPDI
Species	Human
Immunogen	C-SLHRFVLSQAKDEL
Conjugation	Un-conjugated
Alternate Names	HCC2; ERp46; Thioredoxin domain-containing protein 5; HCC-2; Thioredoxin-like protein p46; UNQ364; ER protein 46; ERP46; PDIA15; ENDOPDI; STRF8; Endoplasmic reticulum resident protein 46

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	3 - 5 µg/ml
	WB	0.01 - 0.1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

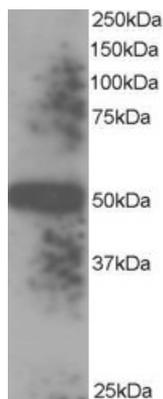
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

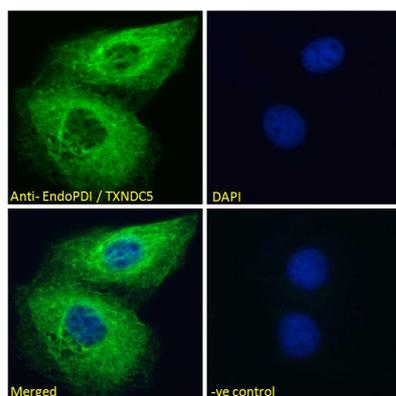
Database links	GeneID: 81567 Human Swiss-port # Q8NBS9 Human
Background	This gene encodes a protein-disulfide isomerase. Its expression is induced by hypoxia and its role may be to protect hypoxic cells from apoptosis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring upstream MUTED (muted homolog) gene. [provided by RefSeq, Dec 2010]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Signaling Transduction antibody
Calculated Mw	48 kDa

Images



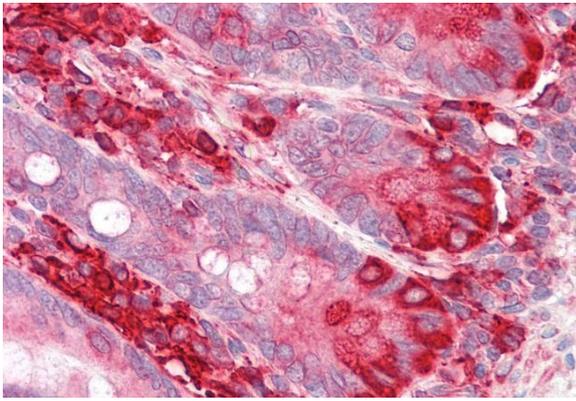
ARG63498 anti-TXNDC5 / EndoPDI antibody WB image

Western blot: Human placenta lysate (RIPA buffer, 35 µg total protein per lane) stained with ARG63498 anti-TXNDC5 / EndoPDI antibody at 0.1 µg/ml dilution.



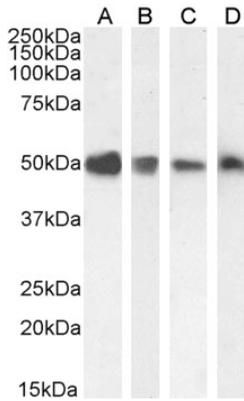
ARG63498 anti-TXNDC5 / EndoPDI antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63498 anti-TXNDC5 / EndoPDI antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



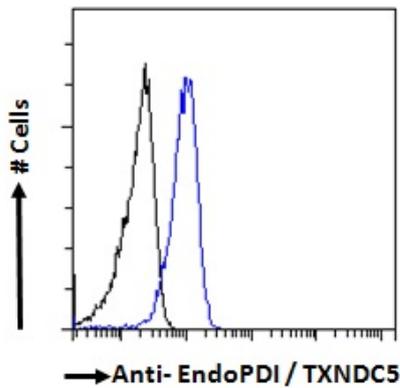
ARG63498 anti-TXNDC5 / EndoPDI antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small intestine tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63498 anti-TXNDC5 / EndoPDI antibody at 3.75 $\mu\text{g/ml}$ dilution followed by AP-staining.



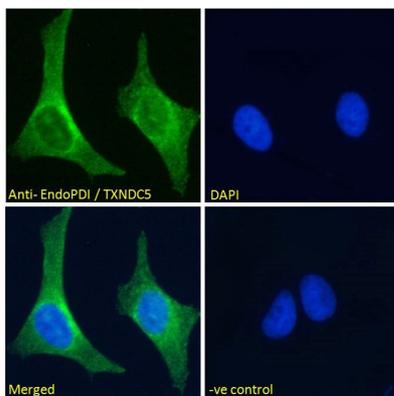
ARG63498 anti-TXNDC5 / EndoPDI antibody WB image

Western blot: 35 μg of HEK293 (A), A549 (B), HeLa (C) and HepG2 (D) cell lysates (in RIPA buffer) stained with ARG63498 anti-TXNDC5 / EndoPDI antibody at 0.1 $\mu\text{g/ml}$ (A-C) and 0.01 $\mu\text{g/ml}$ (D) dilutions and incubated at RT for 1 hour.



ARG63498 anti-TXNDC5 / EndoPDI antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63498 anti-TXNDC5 / EndoPDI antibody (blue line) at 10 $\mu\text{g/ml}$ dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG63498 anti-TXNDC5 / EndoPDI antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U2OS cells permeabilized with 0.15% Triton. Cells were stained with ARG63498 anti-TXNDC5 / EndoPDI antibody (green) at 10 $\mu\text{g/ml}$ dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 $\mu\text{g/ml}$ dilution.