

**Goat Anti-EndoPDI / TXNDC5 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1367a

**Specification**

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**Goat Anti-EndoPDI / TXNDC5 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q8NBS9</a>
Other Accession	<a href="#">NP_001139021</a> , <a href="#">81567</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	47629

**Goat Anti-EndoPDI / TXNDC5 Antibody - Additional Information**

**Gene ID** 81567

**Other Names**

Thioredoxin domain-containing protein 5, Endoplasmic reticulum resident protein 46, ER protein 46, ERp46, Thioredoxin-like protein p46, TXNDC5, TLP46

**Dilution**

WB~~1:1000  
E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-EndoPDI / TXNDC5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-EndoPDI / TXNDC5 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}

#### Goat Anti-EndoPDI / TXNDC5 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](#)

#### Goat Anti-EndoPDI / TXNDC5 Antibody - Images



AF1367a staining (0.1 µg/ml) of human placenta lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

#### Goat Anti-EndoPDI / TXNDC5 Antibody - 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. Two transcript variants encoding different isoforms have been found for this gene.

#### Goat Anti-EndoPDI / TXNDC5 Antibody - References

The influence of TXNDC5 gene on gastric cancer cell. Zhang L, et al. J Cancer Res Clin Oncol, 2010 Oct. PMID 20157732.  
ERp46 binds to AdipoR1, but not AdipoR2, and modulates adiponectin signalling. Charlton HK, et al. Biochem Biophys Res Commun, 2010 Feb 5. PMID 20074551.

Association of TXNDC5 gene polymorphisms and susceptibility to nonsegmental vitiligo in the Korean population. Jeong KH, et al. Br J Dermatol, 2010 Apr. PMID 19906073.

Protein disulphide isomerase family members show distinct substrate specificity: P5 is targeted to BiP client proteins. Jessop CE, et al. J Cell Sci, 2009 Dec 1. PMID 19887585.

Sequential use of transcriptional profiling, expression quantitative trait mapping, and gene association implicates MMP20 in human kidney aging. Wheeler HE, et al. PLoS Genet, 2009 Oct. PMID 19834535.