

Goat Anti-TXNDC4 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2126a**Specification**

Goat Anti-TXNDC4 Antibody - Product Information

Application	WB
Primary Accession	Q9BS26
Other Accession	NP_055866 , 23071 , 76299 (mouse) , 298066 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	46971

Goat Anti-TXNDC4 Antibody - Additional Information**Gene ID** 23071**Other Names**

Endoplasmic reticulum resident protein 44, ER protein 44, ERp44, Thioredoxin domain-containing protein 4, ERP44, KIAA0573, TXNDC4

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-TXNDC4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-TXNDC4 Antibody - Protein Information**Name** ERP44**Synonyms** KIAA0573, TXNDC4**Function**

Mediates thiol-dependent retention in the early secretory pathway, forming mixed disulfides with substrate proteins through its conserved CRFS motif (PubMed:11847130, PubMed:14517240). Inhibits the calcium channel activity of ITPR1 (PubMed:15652484). May have a role in the control of oxidative protein folding in the endoplasmic reticulum (PubMed:11847130, PubMed:29858230, PubMed:14517240). Required to retain ERO1A and ERO1B in the endoplasmic reticulum (PubMed:11847130, PubMed:29858230).

Cellular Location

Endoplasmic reticulum lumen

Goat Anti-TXNDC4 Antibody - Protocols

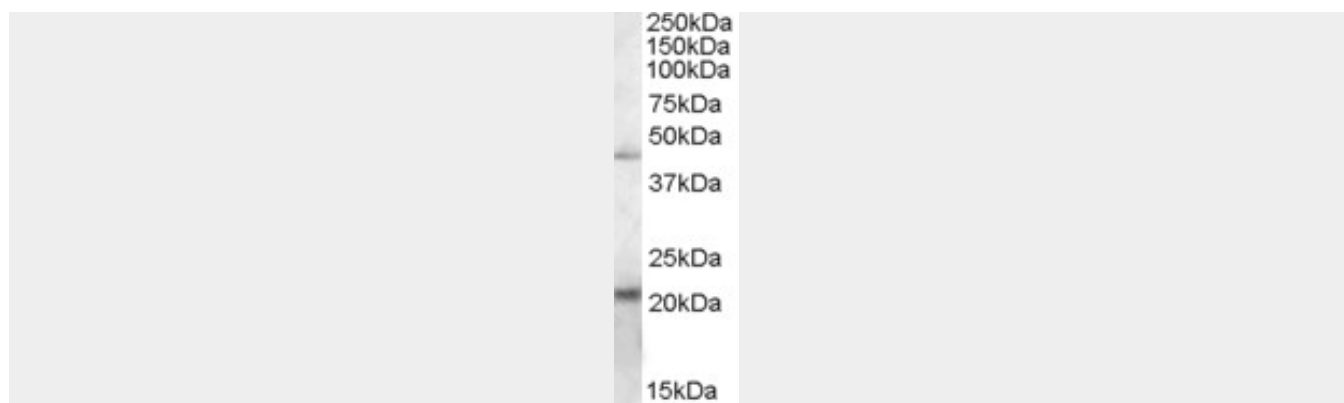
Provided below are standard protocols that you may find useful for product applications.

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

Goat Anti-TXNDC4 Antibody - Images



AF2126a (0.2 µg/ml) staining of K562 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB08540 (0.2µg/ml) staining of K562 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-TXNDC4 Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.

Crystal structure of human ERp44 shows a dynamic functional modulation by its carboxy-terminal tail. Wang L, et al. EMBO Rep, 2008 Jul. PMID 18552768.

Multistep, sequential control of the trafficking and function of the multiple sulfatase deficiency gene product, SUMF1 by PDI, ERGIC-53 and ERp44. Fraldi A, et al. Hum Mol Genet, 2008 Sep 1. PMID 18508857.