



## Rabbit Anti-TXNDC5 antibody

SL7579R

<b>Product Name:</b>	TXNDC5
<b>Chinese Name:</b>	硫氧还蛋白5抗体
<b>Alias:</b>	EndoPDI; Endoplasmic reticulum protein ERp46; Endothelial protein disulphide isomerase; ERP46; Hcc 2; PDIA15; Protein disulfide isomerase family A member 15; Thioredoxin domain containing 5 (endoplasmic reticulum); thioredoxin domain containing 5; Thioredoxin domain containing protein 5; Thioredoxin like protein p46; Thioredoxin related protein; Thioredoxin-like protein p46; TLP46; TXN5; TXNDC 5; UNQ364; TXND5 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	44kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human TXNDC5:251-350/432
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	TXNDC5 is a protein-disulfide isomerase. Its expression is induced by hypoxia and its role may be to protect hypoxic cells from apoptosis. ERp19 and ERp46 are two newly discovered ER luminal proteins, related to protein disulphide isomerase. Western and

Northern blot analyses have revealed that both ERp19 and ERp46 and their respective mRNAs are highly expressed in the liver as compared with other tissues. Both proteins are enriched in purified liver ER vesicles and were localized specifically to the ER in McA-RH7777 hepatocytes. See Knoblach et al. for details.

**Function:**

Possesses thioredoxin activity. Has been shown to reduce insulin disulfide bonds. Also complements protein disulfide-isomerase deficiency in yeast

**Subcellular Location:**

Endoplasmic reticulum lumen

**Similarity:**

Belongs to the protein disulfide isomerase family.  
Contains 3 thioredoxin domains.

**SWISS:**

Q8NBS9

**Gene ID:**

81567

**Database links:**

UniProtKB/Swiss-Prot: Q8NBS9.2

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.