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Datasheet for ABIN872888 **anti-TXNDC5 antibody (AA 251-350)**

Overview

Quantity:	100 µL
Target:	TXNDC5
Binding Specificity:	AA 251-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNDC5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TXNDC5
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Pig, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TXNDC5
Alternative Name:	TXNDC5 (TXNDC5 Products)

Target Details

Background: Synonyms: 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.

Background: 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.

Gene ID: 81567

Pathways: [Cell RedoxHomeostasis](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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Expiry Date:	12 months
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