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TXNDC5 Rabbit pAb

Catalog # AP96410

Product Information

Application	WB, E
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TXNDC5
Epitope Specificity	251-350/432
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein disulfide isomerase family.Contains 3 thioredoxin domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	81567
Other Names	TXND5_HUMAN; TXNDC5; Endoplasmic reticulum resident protein 46 (ER protein 46 | ERp46); Thioredoxin-like protein p46; 1.8.4.-; 5.3.4.1; TLP46; TXND5_MOUSE; Plasma cell-specific thioredoxin-related protein (PC-TRP); ENDOPDI; ERP46; HCC-2; HCC2; PDIA15; STRF8; UNQ364; PC-TRP; thioredoxin domain containing 5; protein disulfide isomerase family A, member 15
Dilution	WB=1:500-2000,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.
Name	TXNDC5 Rabbit pAb
Function	Possesses thioredoxin activity. Has been shown to reduce insulin disulfide

bonds. Also complements protein disulfide-isomerase deficiency in yeast

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.