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TXNDC5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18313c

Product Information

Application	WB, E
Primary Accession	Q8NBS9
Other Accession	Q91W90, NP_001139021.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38632
Calculated MW	47629
Antigen Region	128-155

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
Target/Specificity	This TXNDC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 128-155 amino acids from the Central region of human TXNDC5.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TXNDC5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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}

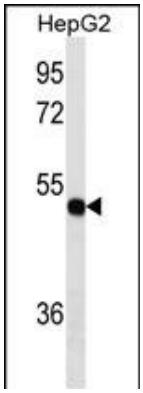
Background

This gene encodes a protein-disulfide isomerase. Its expression is induced by hypoxia and its role may be to protect hypoxic cells from apoptosis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring upstream MUTED (muted homolog) gene.

References

Zhang, L., et al. J. Cancer Res. Clin. Oncol. 136(10):1497-1505(2010)
Jeong, K.H., et al. Br. J. Dermatol. 162(4):759-764(2010)
Charlton, H.K., et al. Biochem. Biophys. Res. Commun. 392(2):234-239(2010)
So, H.C., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (1), 103-113 (2010) :
Jessop, C.E., et al. J. Cell. Sci. 122 (PT 23), 4287-4295 (2009) :

Images



TXNDC5 Antibody (Center) (Cat. #AP18313c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the TXNDC5 antibody detected the TXNDC5 protein (arrow).

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