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Product datasheet for CF507256

TXNDC5 Mouse Monoclonal Antibody [Clone ID: OTI1E2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1E2
Applications:	WB
Recommended Dilution:	WB 1:400~4000
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TXNDC5(NP_071368) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43.5 kDa
Gene Name:	thioredoxin domain containing 5
Database Link:	NP_071368 Entrez Gene 105245 MouseEntrez Gene 695213 MonkeyEntrez Gene 81567 Human Q8NBS9

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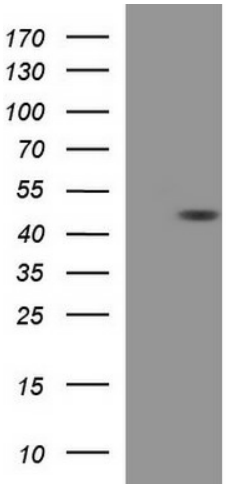
Background: This gene encodes a protein-disulfide isomerase. Its expression is induced by hypoxia and its role may be to protect hypoxic cells from apoptosis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring upstream MUTED (muted homolog) gene. [provided by RefSeq, Dec 2010]

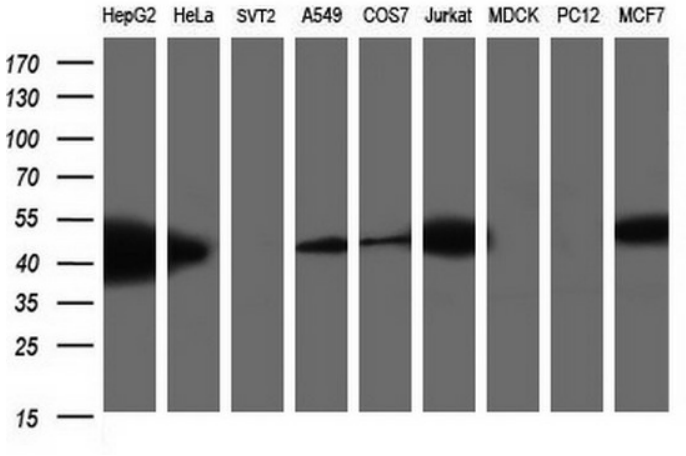
Synonyms: ERP46, Hcc-2, UNQ364, EndoPDI, MGC3178; thioredoxin domain containing 5

Protein Families: Druggable Genome

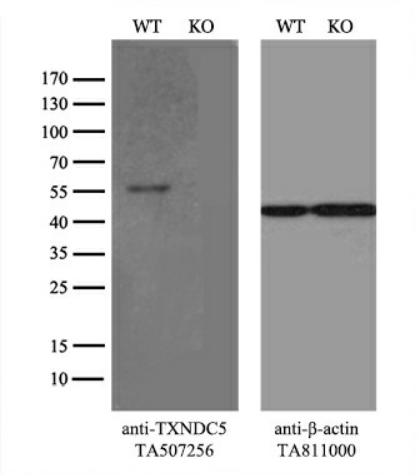
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TXNDC5 ([RC208568], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TXNDC5.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TXNDC5 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and TXNDC5-Knockout 293T cells (KO, Cat# [LC811412]) were separated by SDS-PAGE and immunoblotted with anti-TXNDC5 monoclonal antibody [TA507256], (1:100). Then the blotted membrane was stripped and reprobed with anti-b-actin antibody ([TA811000]) as a loading control.