

## Product datasheet for **CF507280**

### **TXNDC5 Mouse Monoclonal Antibody [Clone ID: OTI2F6]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2F6
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB 1:400~4000
<b>Reactivity:</b>	Human, Monkey, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human TXNDC5(NP_071368) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	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)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	43.5 kDa
<b>Gene Name:</b>	thioredoxin domain containing 5
<b>Database Link:</b>	<a href="#">NP_071368</a> <a href="#">Entrez Gene 105245 Mouse</a> <a href="#">Entrez Gene 695213 Monkey</a> <a href="#">Entrez Gene 81567 Human</a> <a href="#">Q8NBS9</a>



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**Background:**

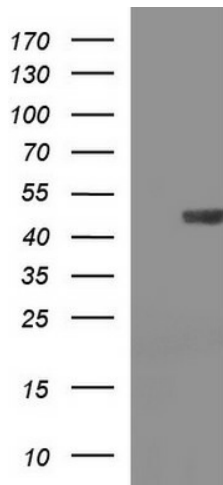
This gene encodes a protein-disulfide isomerase. Its expression is induced by hypoxia and its role may be to protect hypoxic cells from apoptosis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring upstream MUTED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

**Synonyms:**

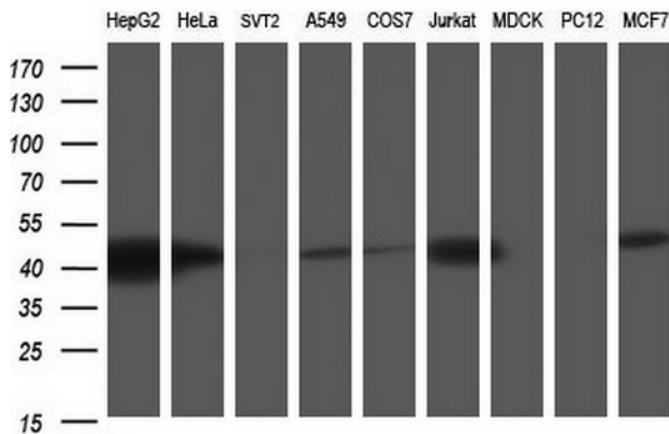
ERP46, Hcc-2, UNQ364, EndoPDI, MGC3178; thioredoxin domain containing 5

**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).