

Product Name: KD-Validated TXNDC9 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00315

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 26.5kDa

Antigen Information

Gene Name	TXNDC9
Alternative Names	TXNDC9; Thioredoxin Domain Containing 9; APACD; Thioredoxin Domain-Containing Protein 9; Protein 1-4; ATP Binding Protein Associated With Cell Differentiation; ATP-Binding Protein Associated With Cell Differentiation; PHLP3
Gene ID	10190.0
SwissProt ID	O14530
Immunogen	A synthesized peptide derived from human TXNDC9

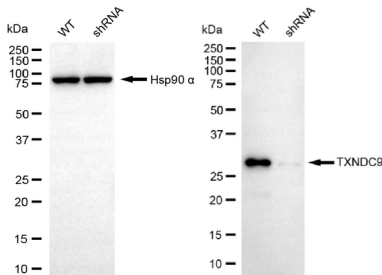
Background

The protein encoded by this gene is a member of the thioredoxin family. The exact function of this protein is not known but it is associated with cell differentiation. [provided by RefSeq, Jul 2008]

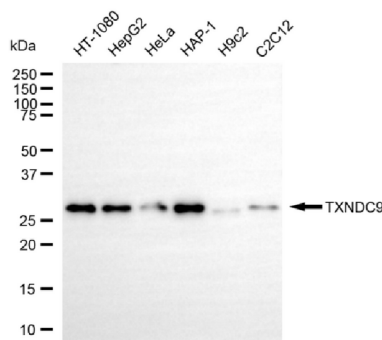
Research Area

Cell Biology

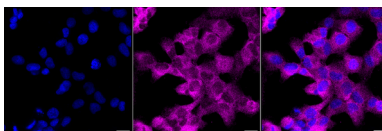
Image Data



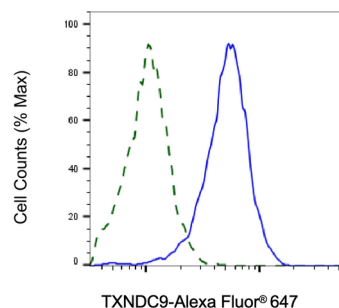
Western blotting analysis using TXNDC9 antibody (KVA00315). TXNDC9 expression in wild-type (WT) and TXNDC9 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with TXNDC9 antibody (KVA00315, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



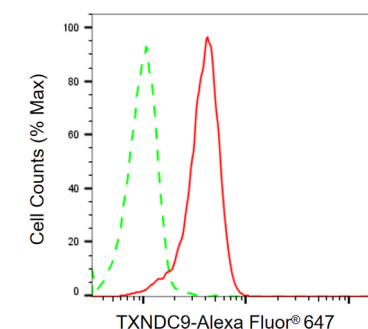
Western blotting analysis using TXNDC9 antibody (KVA00315). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TXNDC9 antibody (KVA00315, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using TXNDC9 antibody (KVA00315, 1:1,000). Top panel: wild-type (WT); Bottom panel: TXNDC9 shRNA knockdown (KD). Nuclei were stained blue with DAPI; TXNDC9 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Validation of TXNDC9 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with TXNDC9 antibody (KVA00315, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of TXNDC9 expression in HT-1080 cells using TXNDC9 antibody (KVA00315, 1:2,000). Green, isotype control; red, TXNDC9.

