
Product Name: KD-Validated Transcription Factor 7 Like 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00894

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
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
Molecular Weight	Calculated MW: 62.6kDa

Antigen Information

Gene Name	TCF7L1
Alternative Names	TCF7L1; Transcription Factor 7 Like 1; TCF3; Transcription Factor 7-Like 1 (T-Cell Specific, HMG-Box); HMG Box Transcription Factor 3; Transcription Factor 7-Like 1; TCF-3
Gene ID	83439.0
SwissProt ID	Q9HCS4
Immunogen	A synthesized peptide derived from human TCF3

Background

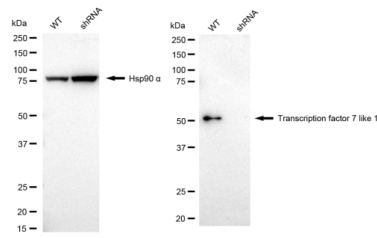
This gene encodes a member of the T cell factor/lymphoid enhancer factor family of transcription factors. These transcription factors are activated by beta catenin, mediate the Wnt signaling pathway and are antagonized by the transforming growth

factor beta signaling pathway. The encoded protein contains a high mobility group-box DNA binding domain and participates in the regulation of cell cycle genes and cellular senescence. [provided by RefSeq, Nov 2010]

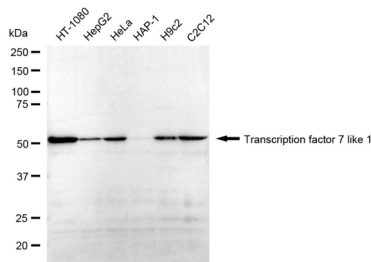
Research Area

Epigenetics and Nuclear Signaling, Stem Cells, Epigenetics and Nuclear Signaling

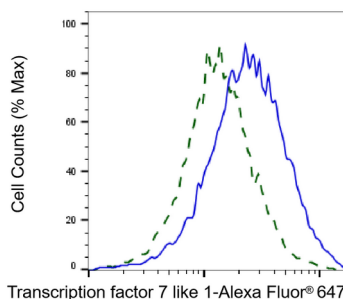
Image Data



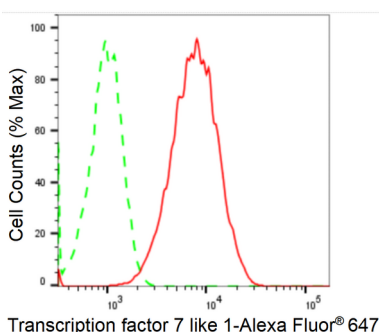
Western blotting analysis using Transcription factor 7 like 1 antibody (KVA00894). Transcription factor 7 like 1 expression in wild type (WT) and Transcription factor 7 like 1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Transcription factor 7 like 1 antibody (KVA00894, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Transcription factor 7 like 1 antibody (KVA00894). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Transcription factor 7 like 1 antibody (KVA00894, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of Transcription factor 7 like 1 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Transcription factor 7 like 1 antibody (KVA00894, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Transcription factor 7 like 1 expression in HT-1080 cells using Transcription factor 7 like 1 antibody (KVA00894, 1:2,000). Green, isotype control; red, Transcription factor 7 like 1.