
Product Name: KD-Validated Transcription Factor 7 Like 2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01331**

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 1:4,000-1:20,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 67.9kDa

Antigen Information

Gene Name	TCF7L2 TCF7L2; Transcription Factor 7 Like 2; TCF-4; TCF4; Transcription Factor 7-Like 2 (T-Cell
Alternative Names	Specific, HMG-Box); T-Cell-Specific Transcription Factor 4; HMG Box Transcription Factor 4; Transcription Factor 7-Like 2; T-Cell Factor 4; HTCF-4
Gene ID	6934.0
SwissProt ID	Q9NQB0
Immunogen	A synthesized peptide derived from human TCF7L2

Background

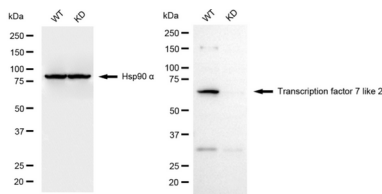
This gene encodes a high mobility group (HMG) box-containing transcription factor that plays a key role in the Wnt signaling

pathway. The protein has been implicated in blood glucose homeostasis. Genetic variants of this gene are associated with increased risk of type 2 diabetes. Several transcript variants encoding multiple different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]

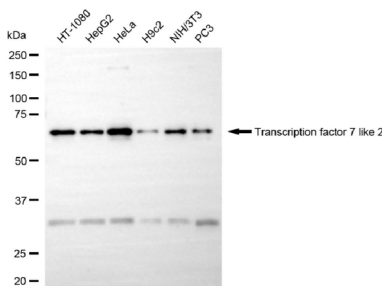
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Cancer

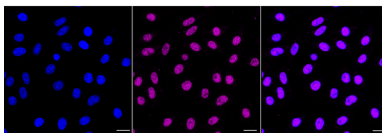
Image Data



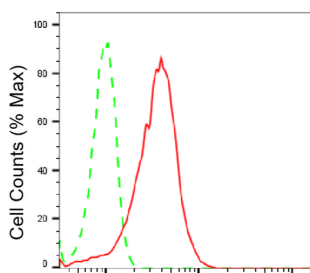
Western blotting analysis using transcription factor 7 like 2 antibody (KVA01331). Transcription factor 7 like 2 expression in wild-type (WT) and transcription factor 7 like 2 (TCF7L2) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with transcription factor 7 like 2 antibody (KVA01331, 1:2,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using transcription factor 7 like 2 antibody (KVA01331). 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 2 antibody (KVA01331, 1:20,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Transcription factor 7 like 2 antibody (KVA01331, 1:1,000). Nuclei were stained blue with DAPI; Transcription factor 7 like 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Transcription factor 7 like 2-Alexa Fluor® 647

Flow cytometric analysis of Transcription factor 7 like 2 expression in HepG2 cells using Transcription factor 7 like 2 antibody (KVA01331, 1:2,000). Green, isotype control; red, Transcription factor 7 like 2.