

Product Name: KD-Validated TAF1C Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00319**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,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: 95.2kDa

Antigen Information

Gene Name	TAF1C
Alternative Names	TAF1C; TATA-Box Binding Protein Associated Factor, RNA Polymerase I Subunit C; TAFI110; MGC:39976; TAFI95; SL1; TATA Box Binding Protein (TBP)-Associated Factor, RNA Polymerase I, C, 110kDa; TATA Box Binding Protein (TBP)-Associated Factor, RNA Polymerase I, C, 110kD; TATA Box-Binding Protein-Associated Factor RNA Polymerase I Subunit C; RNA Polymerase I-Specific TBP-Associated Factor 110 KDa; Transcription Initiation Factor SL1/TIF-IB Subunit C; TATA Box-Binding Protein-Associated Factor 1C; TBP-Associated Factor 1C; TATA-Box Binding Protein Associated Factor, RNA Polymerase I, C; Transcription Factor SL1; SL1, 110kD Subunit
Gene ID	9013.0
SwissProt ID	Q15572

Immunogen

A synthesized peptide derived from human TAF1C

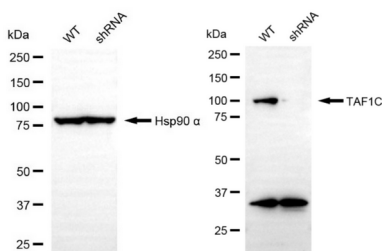
Background

Initiation of transcription by RNA polymerase I requires the formation of a complex composed of the TATA-binding protein (TBP) and three TBP-associated factors (TAFs) specific for RNA polymerase I. This complex, known as SL1, binds to the core promoter of ribosomal RNA genes to position the polymerase properly and acts as a channel for regulatory signals. This gene encodes the largest SL1-specific TAF. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2011]

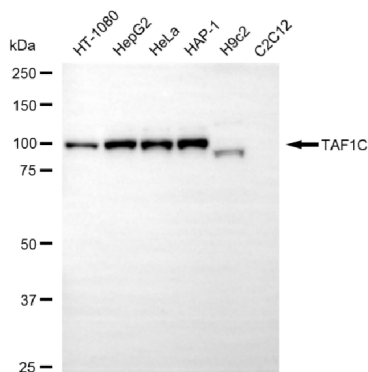
Research Area

Epigenetics and Nuclear Signaling

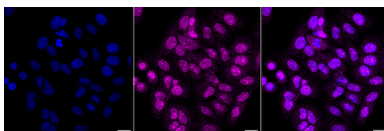
Image Data



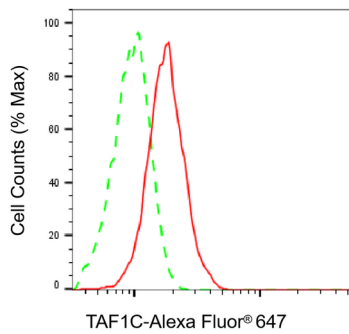
Western blotting analysis using TAF1C antibody (KVA00319). TAF1C expression in wild-type (WT) and TAF1C shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with TAF1C antibody (KVA00319, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using TAF1C antibody (KVA00319). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TAF1C antibody (KVA00319, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with TAF1C antibody (KVA00319, 1:1,000). Nuclei were stained blue with DAPI; TAF1C 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.



Flow cytometric analysis of TAF1C expression in HepG2 cells using TAF1C antibody (KVA00319, 1:2,000). Green, isotype control; red, TAF1C.